

Neven Zarkovic

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

187
papers

7,097
citations

44
h-index

75
g-index

208
ext. papers

8,376
ext. citations

5.3
avg, IF

6.03
L-index

#	Paper	IF	Citations
187	Oxidative stress and regeneration.. <i>Free Radical Biology and Medicine</i> , 2022 , 181, 154-165	7.8	6
186	Spontaneous Regression of Cancer: Revealing Granulocytes and Oxidative Stress as the Crucial Double-edge Sword.. <i>Frontiers in Bioscience</i> , 2022 , 27, 119		1
185	The Onset of Systemic Oxidative Stress Associated with the Accumulation of Lipid Peroxidation Product Acrolein in the Skin of Patients with Small-Vessel Vasculitis. <i>Molecules</i> , 2021 , 26,	4.8	3
184	Metabolomics in posttraumatic stress disorder: Untargeted metabolomic analysis of plasma samples from Croatian war veterans. <i>Free Radical Biology and Medicine</i> , 2021 , 162, 636-641	7.8	8
183	Sensitivity of Osteosarcoma Cells to Concentration-Dependent Bioactivities of Lipid Peroxidation Product 4-Hydroxynonenal Depend on Their Level of Differentiation. <i>Cells</i> , 2021 , 10,	7.9	4
182	Preliminary Findings on the Association of the Lipid Peroxidation Product 4-Hydroxynonenal with the Lethal Outcome of Aggressive COVID-19. <i>Antioxidants</i> , 2021 , 10,	7.1	8
181	Disease-Dependent Antiapoptotic Effects of Cannabidiol for Keratinocytes Observed upon UV Irradiation. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
180	Association of Lipid Peroxidation Product 4-Hydroxynonenal with Post-Traumatic Stress Disorder. <i>Biomolecules</i> , 2021 , 11,	5.9	1
179	Lipid peroxidation in brain tumors. <i>Neurochemistry International</i> , 2021 , 149, 105118	4.4	7
178	Oxidative Stress and Lipid Mediators Modulate Immune Cell Functions in Autoimmune Diseases. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	10
177	Involvement of Metabolic Lipid Mediators in the Regulation of Apoptosis. <i>Biomolecules</i> , 2020 , 10,	5.9	17
176	The Appearance of 4-Hydroxy-2-Nonenal (HNE) in Squamous Cell Carcinoma of the Oropharynx. <i>Molecules</i> , 2020 , 25,	4.8	4
175	Glucose as a Major Antioxidant: When, What for and Why It Fails?. <i>Antioxidants</i> , 2020 , 9,	7.1	27
174	Utilizing Iron for Targeted Lipid Peroxidation as Anticancer Option of Integrative Biomedicine: A Short Review of Nanosystems Containing Iron. <i>Antioxidants</i> , 2020 , 9,	7.1	11
173	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	7.8	32
172	Reduced Proteasome Activity and Enhanced Autophagy in Blood Cells of Psoriatic Patients. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
171	The NRF2, Thioredoxin, and Glutathione System in Tumorigenesis and Anticancer Therapies. <i>Antioxidants</i> , 2020 , 9,	7.1	26

170	Poor Agreement Between Two Commonly Used Measures of Shame- and Guilt-Proneness. <i>Journal of Personality Assessment</i> , 2020 , 102, 499-507	2.8	4
169	Nutritional Stress in Head and Neck Cancer Originating Cell Lines: The Sensitivity of the NRF2-NQO1 Axis. <i>Cells</i> , 2019 , 8,	7.9	10
168	Altered Lipid Metabolism in Blood Mononuclear Cells of Psoriatic Patients Indicates Differential Changes in Psoriasis Vulgaris and Psoriatic Arthritis. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	30
167	Beneficial Effects of Vitamins K and D3 on Redox Balance of Human Osteoblasts Cultured with Hydroxyapatite-Based Biomaterials. <i>Cells</i> , 2019 , 8,	7.9	12
166	Antioxidant Activities of Alkyl Substituted Pyrazine Derivatives of Chalcones-In Vitro and In Silico Study. <i>Antioxidants</i> , 2019 , 8,	7.1	20
165	The Role of Acrolein and NADPH Oxidase in the Granulocyte-Mediated Growth-Inhibition of Tumor Cells. <i>Cells</i> , 2019 , 8,	7.9	5
164	Metabolomic and glycomic findings in posttraumatic stress disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019 , 88, 181-193	5.5	23
163	Short Overview of ROS as Cell Function Regulators and Their Implications in Therapy Concepts. <i>Cells</i> , 2019 , 8,	7.9	96
162	Amaranth oil reduces accumulation of 4-hydroxynonenal-histidine adducts in gastric mucosa and improves heart rate variability in duodenal peptic ulcer patients undergoing Helicobacter pylori eradication. <i>Free Radical Research</i> , 2018 , 52, 135-149	4	13
161	CD36 expression in peripheral blood mononuclear cells reflects the onset of atherosclerosis. <i>BioFactors</i> , 2018 , 44, 588-596	6.1	9
160	Short overview on metabolomic approach and redox changes in psychiatric disorders. <i>Redox Biology</i> , 2018 , 14, 178-186	11.3	45
159	Biomarkers of nitro-oxidation and oxidative stress. <i>Current Opinion in Toxicology</i> , 2018 , 7, 73-80	4.4	7
158	Short overview on metabolomics approach to study pathophysiology of oxidative stress in cancer. <i>Redox Biology</i> , 2018 , 14, 47-58	11.3	78
157	S-metolachlor promotes oxidative stress in green microalga <i>Parachlorella kessleri</i> - A potential environmental and health risk for higher organisms. <i>Science of the Total Environment</i> , 2018 , 637-638, 41-49	10.2	12
156	4-Hydroxynonenal in Redox Homeostasis of Gastrointestinal Mucosa: Implications for the Stomach in Health and Diseases. <i>Antioxidants</i> , 2018 , 7,	7.1	9
155	Cell-Type-Specific Modulation of Hydrogen Peroxide Cytotoxicity and 4-Hydroxynonenal Binding to Human Cellular Proteins In Vitro by Antioxidant Extract. <i>Antioxidants</i> , 2018 , 7,	7.1	14
154	Pathophysiological Alterations of Redox Signaling and Endocannabinoid System in Granulocytes and Plasma of Psoriatic Patients. <i>Cells</i> , 2018 , 7,	7.9	40
153	Antioxidative 1,4-Dihydropyridine Derivatives Modulate Oxidative Stress and Growth of Human Osteoblast-Like Cells In Vitro. <i>Antioxidants</i> , 2018 , 7,	7.1	15

152	Development of a novel monoclonal antibody against 4-hydroxy-2E,6Z-dodecadienal (4-HDDE)-protein adducts: Immunochemical application in quantitative and qualitative analyses of lipid peroxidation in vitro and ex vivo. <i>Free Radical Biology and Medicine</i> , 2018 , 124, 12-20	7.8	4
151	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	7.8	38
150	Cancer growth regulation by 4-hydroxynonenal. <i>Free Radical Biology and Medicine</i> , 2017 , 111, 226-234	7.8	35
149	Controversy about pharmacological modulation of Nrf2 for cancer therapy. <i>Redox Biology</i> , 2017 , 12, 727-732	7.3	87
148	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). <i>Redox Biology</i> , 2017 , 13, 94-162	11.3	185
147	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	11.3	32
146	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. <i>Redox Biology</i> , 2017 , 11, 600-605	11.3	14
145	Contribution of the HNE-immunohistochemistry to modern pathological concepts of major human diseases. <i>Free Radical Biology and Medicine</i> , 2017 , 111, 110-126	7.8	46
144	Dihydropyridine Derivatives as Cell Growth Modulators In Vitro. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 4069839	6.7	273
143	4-Hydroxynonenal as a biomarker of redox regulation in pathophysiology of metabolic stress. <i>Free Radical Biology and Medicine</i> , 2017 , 108, S12	7.8	
142	Mitochondrial control of apoptosis through modulation of cardiolipin oxidation in hepatocellular carcinoma: A novel link between oxidative stress and cancer. <i>Free Radical Biology and Medicine</i> , 2017 , 102, 67-76	7.8	63
141	Biomarkers of oxidative and nitro-oxidative stress: conventional and novel approaches. <i>British Journal of Pharmacology</i> , 2017 , 174, 1771-1783	8.6	49
140	1,4-Dihydropyridines as Tools for Mitochondrial Medicine Against Oxidative Stress and Associated Metabolic Disorders. <i>Current Organic Chemistry</i> , 2017 , 21,	1.7	3
139	Investigating the use of curcumin-loaded electrospun filaments for soft tissue repair applications. <i>International Journal of Nanomedicine</i> , 2017 , 12, 3977-3991	7.3	19
138	Tick-borne encephalitis--lipid peroxidation and its consequences. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2016 , 76, 1-9	2	17
137	Lipid mediators involved in the oxidative stress and antioxidant defence of human lung cancer cells. <i>Redox Biology</i> , 2016 , 9, 210-219	11.3	36
136	Biocompatibility of implantable materials: An oxidative stress viewpoint. <i>Biomaterials</i> , 2016 , 109, 55-68	15.6	101
135	The onset of lipid peroxidation in rheumatoid arthritis: consequences and monitoring. <i>Free Radical Research</i> , 2016 , 50, 304-13	4	52

134	Pathophysiology of neutrophil-mediated extracellular redox reactions. <i>Frontiers in Bioscience - Landmark</i> , 2016 , 21, 839-55	2.8	35
133	1,4-Dihydropyridine Derivatives: Dihyronicotinamide Analogues-Model Compounds Targeting Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 1892412	6.7	43
132	A Review on Food-Associated Carcinogenesis 2016 , 35-56		0
131	Lipid peroxidation in the pathogenesis of neuroborreliosis. <i>Free Radical Biology and Medicine</i> , 2016 , 96, 255-63	7.8	18
130	The lack of 4-hydroxynonenal in otosclerotic bone tissue in Ethiopian population. <i>European Archives of Oto-Rhino-Laryngology</i> , 2015 , 272, 2783-9	3.5	1
129	The correlations of glycated hemoglobin and carbohydrate metabolism parameters with heart rate variability in apparently healthy sedentary young male subjects. <i>Redox Biology</i> , 2015 , 5, 301-307	11.3	21
128	Dietary polyunsaturated fatty acids and heme iron induce oxidative stress biomarkers and a cancer promoting environment in the colon of rats. <i>Free Radical Biology and Medicine</i> , 2015 , 83, 192-200	7.8	74
127	Clinical Relevance of Biomarkers of Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2015 , 23, 1144-708.4	7.4	415
126	The pathophysiology of otosclerosis: Review of current research. <i>Hearing Research</i> , 2015 , 330, 51-6	3.9	54
125	Tick-borne encephalitis - lipid peroxidation and its consequences. <i>Free Radical Biology and Medicine</i> , 2015 , 86, S26-S27	7.8	
124	Transcriptional and antioxidative responses to endogenous polyunsaturated fatty acid accumulation in yeast. <i>Molecular and Cellular Biochemistry</i> , 2015 , 399, 27-37	4.2	11
123	Foam cell-derived 4-hydroxynonenal induces endothelial cell senescence in a TXNIP-dependent manner. <i>Journal of Cellular and Molecular Medicine</i> , 2015 , 19, 1887-99	5.6	32
122	Overview on major lipid peroxidation bioactive factor 4-hydroxynonenal as pluripotent growth-regulating factor. <i>Free Radical Research</i> , 2015 , 49, 850-60	4	54
121	Revealing mechanisms of selective, concentration-dependent potentials of 4-hydroxy-2-nonenal to induce apoptosis in cancer cells through inactivation of membrane-associated catalase. <i>Free Radical Biology and Medicine</i> , 2015 , 81, 128-44	7.8	52
120	Elastin aging and lipid oxidation products in human aorta. <i>Redox Biology</i> , 2015 , 4, 109-17	11.3	41
119	Selected attributes of polyphenols in targeting oxidative stress in cancer. <i>Current Topics in Medicinal Chemistry</i> , 2015 , 15, 496-509	3	45
118	Adjuvant Cancer Biotherapy by Viscum Album Extract Isorel: Overview of Evidence Based Medicine Findings. <i>Collegium Antropologicum</i> , 2015 , 39, 701-8	0.1	4
117	Redox control of microglial function: molecular mechanisms and functional significance. <i>Antioxidants and Redox Signaling</i> , 2014 , 21, 1766-801	8.4	198

116	Oxygen-rich coating promotes binding of proteins and endothelialization of polyethylene terephthalate polymers. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 2305-14	5-4	14
115	The mitochondrial-targeted antioxidant MitoQ ameliorates metabolic syndrome features in obesogenic diet-fed rats better than Apocynin or Allopurinol. <i>Free Radical Research</i> , 2014 , 48, 1232-46	4	46
114	Lipid peroxidation-derived 4-hydroxynonenal-modified proteins accumulate in human facial skin fibroblasts during ageing in vitro. <i>Biogerontology</i> , 2014 , 15, 105-10	4-5	26
113	Sarcoplasmic reticulum Ca ²⁺ -ATPase from rabbit skeletal muscle modified by peroxynitrite. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2014 , 29, 563-70	5.6	3
112	Creating Holistic Project-knowledge Society through Project Management Education in Research and Development. <i>Procedia, Social and Behavioral Sciences</i> , 2014 , 119, 210-218		1
111	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	17
110	Pyridine nucleotides in regulation of cell death and survival by redox and non-redox reactions. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2014 , 24, 287-309	1.3	7
109	Effects of Cu-doped 45S5 bioactive glass on the lipid peroxidation-associated growth of human osteoblast-like cells in vitro. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 3556-61	5-4	32
108	Lipid peroxidation in Rheumatoid arthritis; consequences and monitoring. <i>Free Radical Biology and Medicine</i> , 2014 , 75 Suppl 1, S49	7.8	2
107	The effect of Amaranth oil on monolayers of artificial lipids and hepatocyte plasma membranes with adrenalin-induced stress. <i>Food Chemistry</i> , 2014 , 147, 152-9	8.5	15
106	Oxidative stress and antioxidants in carcinogenesis and integrative therapy of cancer. <i>Current Pharmaceutical Design</i> , 2014 , 20, 6529-42	3.3	62
105	Trace elements and oxidative stress in hypertensive disorders of pregnancy. <i>Archives of Gynecology and Obstetrics</i> , 2013 , 287, 19-24	2.5	29
104	Advanced glycoxidation and lipoxidation end products (AGEs and ALEs): an overview of their mechanisms of formation. <i>Free Radical Research</i> , 2013 , 47 Suppl 1, 3-27	4	44 ¹
103	Improved proliferation of human osteosarcoma cells on oxygen plasma treated polystyrene. <i>Vacuum</i> , 2013 , 98, 116-121	3.7	10
102	Pathophysiological relevance of aldehydic protein modifications. <i>Journal of Proteomics</i> , 2013 , 92, 239-473.9		92
101	The dynamics of soluble Fas/APO 1 apoptotic biochemical marker in acute ischemic stroke patients. <i>Advances in Medical Sciences</i> , 2013 , 58, 298-303	2.8	6
100	Measurement of HNE-protein adducts in human plasma and serum by ELISA-Comparison of two primary antibodies. <i>Redox Biology</i> , 2013 , 1, 226-33	11.3	84
99	An Assay for the Rate of Removal of Extracellular Hydrogen Peroxide by Cells. <i>Redox Biology</i> , 2013 , 1, 210-217	11.3	44

98	Reactive aldehydes--second messengers of free radicals in diabetes mellitus. <i>Free Radical Research</i> , 2013 , 47 Suppl 1, 39-48	4	67
97	The effects of angiotensin II and the oxidative stress mediator 4-hydroxynonenal on human osteoblast-like cell growth: possible relevance to otosclerosis. <i>Free Radical Biology and Medicine</i> , 2013 , 57, 22-8	7.8	12
96	Assays for the measurement of lipid peroxidation. <i>Methods in Molecular Biology</i> , 2013 , 965, 283-96	1.4	45
95	Stobadine attenuates impairment of an intestinal barrier model caused by 4-hydroxynonenal. <i>Toxicology in Vitro</i> , 2013 , 27, 426-32	3.6	11
94	Lipid peroxidation, detoxification capacity, and genome damage in mice after transplacental exposure to pharmaceutical drugs. <i>Brazilian Journal of Medical and Biological Research</i> , 2013 , 46, 1014-1020	2.8	5
93	Elevated neutrophil elastase and acrolein-protein adducts are associated with W256 regression. <i>Clinical and Experimental Immunology</i> , 2012 , 170, 178-85	6.2	19
92	Quercetin supplementation: insight into the potentially harmful outcomes of neurodegenerative prevention. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2012 , 385, 1185-97	3.4	9
91	Activation of aerobic metabolism by Amaranth oil improves heart rate variability both in athletes and patients with type 2 diabetes mellitus. <i>Archives of Physiology and Biochemistry</i> , 2012 , 118, 47-57	2.2	22
90	Effects of bioreactive acrolein from automotive exhaust gases on human cells in vitro. <i>Environmental Toxicology</i> , 2012 , 27, 644-52	4.2	17
89	Even stressed cells are individuals: second messengers of free radicals in pathophysiology of cancer. <i>Croatian Medical Journal</i> , 2012 , 53, 304-9	1.6	31
88	Evaluation of three simple direct or indirect carbonyl detection methods for characterization of oxidative modifications of proteins. <i>Toxicology Mechanisms and Methods</i> , 2012 , 22, 296-304	3.6	4
87	Effect of angiotensin II on inflammation pathways in human primary bone cell cultures in otosclerosis. <i>Audiology and Neuro-Otology</i> , 2012 , 17, 169-78	2.2	10
86	Biocompatibility of oxygen-plasma-treated polystyrene substrates. <i>EPJ Applied Physics</i> , 2011 , 56, 24024	1.1	12
85	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, 552-8	5.1	25
84	Antitumor effect of Croatian propolis as a consequence of diverse sex-related dihydropyrimidine dehydrogenase (DPD) protein expression. <i>Phytomedicine</i> , 2011 , 18, 852-8	6.5	9
83	Distribution and time-course of 4-hydroxynonenal, heat shock protein 110/105 family members and cyclooxygenase-2 expression in the hippocampus of rat during trimethyltin-induced neurodegeneration. <i>Neurochemical Research</i> , 2011 , 36, 1490-500	4.6	10
82	Growth modulation of human cells in vitro by mild oxidative stress and 1,4-dihydropyridine derivative antioxidants. <i>Collegium Antropologicum</i> , 2011 , 35, 137-41	0.1	3
81	Cyp4a14 overexpression induced by hyperoxia in female CBA mice as a possible contributor of increased resistance to oxidative stress. <i>Free Radical Research</i> , 2010 , 44, 181-90	4	10

80	Lipid peroxidation product acrolein as a predictive biomarker of prostate carcinoma relapse after radical surgery. <i>Free Radical Research</i> , 2010 , 44, 497-504	4	15
79	HNE-protein adducts formation in different pre-carcinogenic stages of hepatitis in LEC rats. <i>Free Radical Research</i> , 2010 , 44, 119-27	4	30
78	An inter-laboratory validation of methods of lipid peroxidation measurement in UVA-treated human plasma samples. <i>Free Radical Research</i> , 2010 , 44, 1203-15	4	50
77	A fish-oil-rich diet reduces vascular oxidative stress in apoE(-/-) mice. <i>Free Radical Research</i> , 2010 , 44, 821-9	4	47
76	Molecular regulations induced by acrolein in neuroblastoma SK-N-SH cells: relevance to Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2010 , 21, 1197-216	4-3	23
75	Granulocytes as effective anticancer agent in experimental solid tumor models. <i>Immunobiology</i> , 2010 , 215, 1015-20	3-4	21
74	Advances in methods for the determination of biologically relevant lipid peroxidation products. <i>Free Radical Research</i> , 2010 , 44, 1172-202	4	108
73	Ergometry induces systemic oxidative stress in healthy human subjects. <i>Tohoku Journal of Experimental Medicine</i> , 2010 , 221, 43-8	2-4	20
72	Natural and synthetic antioxidants: an updated overview. <i>Free Radical Research</i> , 2010 , 44, 1216-62	4	168
71	Pathological aspects of lipid peroxidation. <i>Free Radical Research</i> , 2010 , 44, 1125-71	4	288
70	Growth suppression of human breast carcinoma stem cells by lipid peroxidation product 4-hydroxy-2-nonenal and hydroxyl radical-modified collagen.. <i>Acta Biochimica Polonica</i> , 2010 , 57,	2	8
69	Lipid peroxidation product 4-hydroxynonenal as factor of oxidative homeostasis supporting bone regeneration with bioactive glasses.. <i>Acta Biochimica Polonica</i> , 2010 , 57,	2	15
68	Induction of CMV-1 promoter by 4-hydroxy-2-nonenal in human embryonic kidney cells.. <i>Acta Biochimica Polonica</i> , 2010 , 57,	2	21
67	Interval hypoxic training in complex treatment of Helicobacter pylori-associated peptic ulcer disease.. <i>Acta Biochimica Polonica</i> , 2010 , 57,	2	8
66	In vitromodel of bone regeneration with bioactive glass and lipid peroxidation. <i>Orvosi Hetilap</i> , 2010 , 4, 73-78		
65	Induction of CMV-1 promoter by 4-hydroxy-2-nonenal in human embryonic kidney cells. <i>Acta Biochimica Polonica</i> , 2010 , 57, 179-83	2	9
64	Lipid peroxidation product 4-hydroxynonenal as factor of oxidative homeostasis supporting bone regeneration with bioactive glasses. <i>Acta Biochimica Polonica</i> , 2010 , 57, 173-8	2	7
63	Interval hypoxic training in complex treatment of Helicobacter pylori-associated peptic ulcer disease. <i>Acta Biochimica Polonica</i> , 2010 , 57, 199-208	2	5

62	Growth suppression of human breast carcinoma stem cells by lipid peroxidation product 4-hydroxy-2-nonenal and hydroxyl radical-modified collagen. <i>Acta Biochimica Polonica</i> , 2010 , 57, 165-71	2	9
61	Reversal of multidrug resistance in murine lymphoma cells by amphiphilic dihydropyridine antioxidant derivative. <i>Anticancer Research</i> , 2010 , 30, 4063-9	2.3	10
60	Distribution of 4-Hydroxynonenal-Protein Conjugates as a Marker of Lipid Peroxidation and Parameter of Malignancy in Astrocytic and Ependymal Tumors of the Brain. <i>Tumori</i> , 2009 , 95, 762-768	1.7	29
59	Specific thermographic changes during Walker 256 carcinoma development: differential infrared imaging of tumour, inflammation and haematoma. <i>Cancer Detection and Prevention</i> , 2009 , 32, 431-6		19
58	Oxidative stress and ferritin expression in the skin of patients with rosacea. <i>Journal of the American Academy of Dermatology</i> , 2009 , 60, 270-6	4.5	51
57	Mitochondrial alterations in aging rat brain: effective role of (-)-epigallo catechin gallate. <i>International Journal of Developmental Neuroscience</i> , 2009 , 27, 223-31	2.7	45
56	Oxidative stress in small-for-gestational age (SGA) term newborns and their mothers. <i>Free Radical Research</i> , 2009 , 43, 376-84	4	42
55	Persistent accumulation of 4-hydroxynonenal-protein adducts in gastric mucosa after Helicobacter pylori eradication. <i>Collegium Antropologicum</i> , 2009 , 33, 815-21	0.1	10
54	Distribution of 4-hydroxynonenal-protein conjugates as a marker of lipid peroxidation and parameter of malignancy in astrocytic and ependymal tumors of the brain. <i>Tumori</i> , 2009 , 95, 762-8	1.7	16
53	The involvement of granulocytes in spontaneous regression of Walker 256 carcinoma. <i>Cancer Letters</i> , 2008 , 260, 180-6	9.9	29
52	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, 283-7	5	41
51	Comparative study on the antioxidant and biological activities of carvacrol, thymol, and eugenol derivatives. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 3989-96	5.7	188
50	The distribution of 4-hydroxynonenal-modified proteins in gastric mucosa of duodenal peptic ulcer patients. <i>Free Radical Research</i> , 2008 , 42, 205-11	4	17
49	Differential sensitivity to 4-hydroxynonenal for normal and malignant mesenchymal cells. <i>Redox Report</i> , 2007 , 12, 50-4	5.9	39
48	Plasma interleukin-8 as a potential predictor of mortality in adult patients with severe traumatic brain injury. <i>Tohoku Journal of Experimental Medicine</i> , 2007 , 211, 387-93	2.4	37
47	Oxidative burst of neutrophils against melanoma B16-F10. <i>Cancer Letters</i> , 2007 , 246, 100-8	9.9	41
46	Saccharomyces cerevisiae 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	7.8	34
45	c-Jun N-terminal kinase upregulation as a key event in the proapoptotic interaction between transforming growth factor-beta1 and 4-hydroxynonenal in colon mucosa. <i>Free Radical Biology and Medicine</i> , 2006 , 41, 443-54	7.8	45

44	Bioactive 1,4-dihydroisonicotinic acid derivatives prevent oxidative damage of liver cells. <i>European Journal of Pharmacology</i> , 2006 , 537, 12-9	5.3	9
43	Enzyme-linked immunosorbent assay for 4-hydroxynonenal-histidine conjugates. <i>Free Radical Research</i> , 2006 , 40, 809-20	4	47
42	Tissue distribution of lipid peroxidation product acrolein in human colon carcinogenesis. <i>Free Radical Research</i> , 2006 , 40, 543-52	4	47
41	Uptake of anti-anemic substance ferric-sorbitol-citrate by normal and malignant cells and its effects on expression of transferrin receptor 1 and ferritin. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2006 , 21, 636-44	3.9	4
40	Altered iron metabolism, transferrin receptor 1 and ferritin in patients with colon cancer. <i>Cancer Letters</i> , 2006 , 238, 188-96	9.9	78
39	Persistent oxidative stress after myocardial infarction treated by percutaneous coronary intervention. <i>Tohoku Journal of Experimental Medicine</i> , 2006 , 210, 247-55	2.4	25
38	Immunohistochemical appearance of HNE-protein conjugates in human astrocytomas. <i>BioFactors</i> , 2005 , 24, 33-40	6.1	23
37	The influence of 4-hydroxy-2-nonenal on proliferation, differentiation and apoptosis of human osteosarcoma cells. <i>BioFactors</i> , 2005 , 24, 141-8	6.1	43
36	Possible involvement of 4-hydroxynonenal in splenocyte regulated liver regeneration. <i>BioFactors</i> , 2005 , 24, 217-26	6.1	5
35	Oxidative burst and anticancer activities of rat neutrophils. <i>BioFactors</i> , 2005 , 24, 305-12	6.1	29
34	Oxidative stress markers after laparoscopic and open cholecystectomy. <i>Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A</i> , 2005 , 15, 347-52	2.1	26
33	Perioperative application of the Viscum album extract Isorel in digestive tract cancer patients. <i>Anticancer Research</i> , 2005 , 25, 4583-90	2.3	20
32	Proatrial natriuretic peptide (1-98), but not cystatin C, is predictive for occurrence of acute renal insufficiency in critically ill septic patients. <i>Nephron Clinical Practice</i> , 2004 , 97, c103-7		32
31	Gastric pentadecapeptide BPC 157 accelerates healing of transected rat Achilles tendon and in vitro stimulates tendocytes growth. <i>Journal of Orthopaedic Research</i> , 2003 , 21, 976-83	3.8	37
30	4-hydroxynonenal as a bioactive marker of pathophysiological processes. <i>Molecular Aspects of Medicine</i> , 2003 , 24, 281-91	16.7	283
29	Corticosteroid-impairment of healing and gastric pentadecapeptide BPC-157 creams in burned mice. <i>Burns</i> , 2003 , 29, 323-34	2.3	43
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26	Associated changes of lipid peroxidation and transforming growth factor beta1 levels in human colon cancer during tumour progression. <i>Gut</i> , 2002 , 50, 361-7	19.2	59
25	Differential influence of the lipid peroxidation product 4-hydroxynonenal on the growth of human lymphatic leukaemia cells and human periopherial blood lymphocytes. <i>Anticancer Research</i> , 2002 , 22, 1689-97	2.3	20
24	An overview on anticancer activities of the Viscum album extract Isorel. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2001 , 16, 55-62	3.9	38
23	Pro-atrial natriuretic peptide hormone from right atria is correlated with cardiac depression in septic patients. <i>Journal of Endocrinological Investigation</i> , 2001 , 24, RC22-4	5.2	20
22	The Value of Cell Proliferation and Angiogenesis in the Prognostic Assessment of Ovarian Granulosa cell Tumors. <i>Tumori</i> , 2001 , 87, 47-53	1.7	25
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16	Treatment of the budding yeast <i>Saccharomyces cerevisiae</i> with the lipid peroxidation product 4-HNE provokes a temporary cell cycle arrest in G1 phase. <i>Free Radical Biology and Medicine</i> , 1998 , 25, 682-7	7.8	36
15	Spleen peptides (Polyerga) inhibit development of artificial lung metastases of murine mammary carcinoma and increase efficiency of chemotherapy in mice. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 1998 , 13, 25-32	3.9	3
14	Comparison of the effects of Viscum album lectin ML-1 and fresh plant extract (Isorel) on the cell growth in vitro and tumorigenicity of melanoma B16F10. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 1998 , 13, 121-31	3.9	16
13	Post-traumatic hormonal disturbances: prolactin as a link between head injury and enhanced osteogenesis. <i>Journal of Endocrinological Investigation</i> , 1998 , 21, 78-86	5.2	38
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