

Neven Zarkovic

List of Publications by Citations

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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	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	441
186	Clinical Relevance of Biomarkers of Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2015 , 23, 1144-708.4	7.4	415
185	Pathological aspects of lipid peroxidation. <i>Free Radical Research</i> , 2010 , 44, 1125-71	4	288
184	4-hydroxynonenal as a bioactive marker of pathophysiological processes. <i>Molecular Aspects of Medicine</i> , 2003 , 24, 281-91	16.7	283
183	Dihydropyridine Derivatives as Cell Growth Modulators In Vitro. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 4069839	6.7	273
182	Redox control of microglial function: molecular mechanisms and functional significance. <i>Antioxidants and Redox Signaling</i> , 2014 , 21, 1766-801	8.4	198
181	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
180	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
179	Natural and synthetic antioxidants: an updated overview. <i>Free Radical Research</i> , 2010 , 44, 1216-62	4	168
178	Advances in methods for the determination of biologically relevant lipid peroxidation products. <i>Free Radical Research</i> , 2010 , 44, 1172-202	4	108
177	Biocompatibility of implantable materials: An oxidative stress viewpoint. <i>Biomaterials</i> , 2016 , 109, 55-68	15.6	101
176	Short Overview of ROS as Cell Function Regulators and Their Implications in Therapy Concepts. <i>Cells</i> , 2019 , 8,	7.9	96
175	Pathophysiological relevance of aldehydic protein modifications. <i>Journal of Proteomics</i> , 2013 , 92, 239-473.9	3.9	92
174	Controversy about pharmacological modulation of Nrf2 for cancer therapy. <i>Redox Biology</i> , 2017 , 12, 727-732	11.3	87
173	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
172	Stimulation of HeLa cell growth by physiological concentrations of 4-hydroxynonenal. <i>Cell Biochemistry and Function</i> , 1993 , 11, 279-86	4.2	83
171	Short overview on metabolomics approach to study pathophysiology of oxidative stress in cancer. <i>Redox Biology</i> , 2018 , 14, 47-58	11.3	78

170	Altered iron metabolism, transferrin receptor 1 and ferritin in patients with colon cancer. <i>Cancer Letters</i> , 2006 , 238, 188-96	9.9	78
169	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
168	Reactive aldehydes--second messengers of free radicals in diabetes mellitus. <i>Free Radical Research</i> , 2013 , 47 Suppl 1, 39-48	4	67
167	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
166	Oxidative stress and antioxidants in carcinogenesis and integrative therapy of cancer. <i>Current Pharmaceutical Design</i> , 2014 , 20, 6529-42	3.3	62
165	4-Hydroxynonenal as a second messenger of free radicals and growth modifying factor. <i>Life Sciences</i> , 1999 , 65, 1901-4	6.8	61
164	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
163	Anticancer and antioxidative effects of micronized zeolite clinoptilolite. <i>Anticancer Research</i> , 2003 , 23, 1589-95	2.3	55
162	The pathophysiology of otosclerosis: Review of current research. <i>Hearing Research</i> , 2015 , 330, 51-6	3.9	54
161	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
160	The onset of lipid peroxidation in rheumatoid arthritis: consequences and monitoring. <i>Free Radical Research</i> , 2016 , 50, 304-13	4	52
159	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
158	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
157	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
156	Biomarkers of oxidative and nitro-oxidative stress: conventional and novel approaches. <i>British Journal of Pharmacology</i> , 2017 , 174, 1771-1783	8.6	49
155	A fish-oil-rich diet reduces vascular oxidative stress in apoE(-/-) mice. <i>Free Radical Research</i> , 2010 , 44, 821-9	4	47
154	Enzyme-linked immunosorbent assay for 4-hydroxynonenal-histidine conjugates. <i>Free Radical Research</i> , 2006 , 40, 809-20	4	47
153	Tissue distribution of lipid peroxidation product acrolein in human colon carcinogenesis. <i>Free Radical Research</i> , 2006 , 40, 543-52	4	47

152	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
151	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
150	4-Hydroxynonenal modifies the effects of serum growth factors on the expression of the c-fos proto-oncogene and the proliferation of HeLa carcinoma cells. <i>Free Radical Biology and Medicine</i> , 1998 , 25, 42-9	7.8	46
149	Short overview on metabolomic approach and redox changes in psychiatric disorders. <i>Redox Biology</i> , 2018 , 14, 178-186	11.3	45
148	Assays for the measurement of lipid peroxidation. <i>Methods in Molecular Biology</i> , 2013 , 965, 283-96	1.4	45
147	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
146	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
145	Selected attributes of polyphenols in targeting oxidative stress in cancer. <i>Current Topics in Medicinal Chemistry</i> , 2015 , 15, 496-509	3	45
144	An Assay for the Rate of Removal of Extracellular Hydrogen Peroxide by Cells. <i>Redox Biology</i> , 2013 , 1, 210-217	11.3	44
143	Corticosteroid-impairment of healing and gastric pentadecapeptide BPC-157 creams in burned mice. <i>Burns</i> , 2003 , 29, 323-34	2.3	43
142	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
141	1,4-Dihydropyridine Derivatives: Dihydronicotinamide Analogues-Model Compounds Targeting Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 1892412	6.7	43
140	Oxidative stress in small-for-gestational age (SGA) term newborns and their mothers. <i>Free Radical Research</i> , 2009 , 43, 376-84	4	42
139	Elastin aging and lipid oxidation products in human aorta. <i>Redox Biology</i> , 2015 , 4, 109-17	11.3	41
138	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
137	Oxidative burst of neutrophils against melanoma B16-F10. <i>Cancer Letters</i> , 2007 , 246, 100-8	9.9	41
136	Pathophysiological Alterations of Redox Signaling and Endocannabinoid System in Granulocytes and Plasma of Psoriatic Patients. <i>Cells</i> , 2018 , 7,	7.9	40
135	Differential sensitivity to 4-hydroxynonenal for normal and malignant mesenchymal cells. <i>Redox Report</i> , 2007 , 12, 50-4	5.9	39

134	Basic fibroblast growth factor (BFGF) immunoreactivity as a possible link between head injury and impaired bone fracture healing. <i>Bone and Mineral</i> , 1994 , 27, 183-92		39
133	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
132	An overview on anticancer activities of the <i>Viscum album</i> extract Isorel. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2001 , 16, 55-62	3.9	38
131	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
130	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
129	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
128	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
127	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
126	Cancer growth regulation by 4-hydroxynonenal. <i>Free Radical Biology and Medicine</i> , 2017 , 111, 226-234	7.8	35
125	Pathophysiology of neutrophil-mediated extracellular redox reactions. <i>Frontiers in Bioscience - Landmark</i> , 2016 , 21, 839-55	2.8	35
124	<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	7.8	34
123	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
122	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
121	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
120	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
119	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
118	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
117	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

116	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
115	Trace elements and oxidative stress in hypertensive disorders of pregnancy. <i>Archives of Gynecology and Obstetrics</i> , 2013 , 287, 19-24	2.5	29
114	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
113	The involvement of granulocytes in spontaneous regression of Walker 256 carcinoma. <i>Cancer Letters</i> , 2008 , 260, 180-6	9.9	29
112	Oxidative burst and anticancer activities of rat neutrophils. <i>BioFactors</i> , 2005 , 24, 305-12	6.1	29
111	Mutual dependence of growth modifying effects of 4-hydroxynonenal and fetal calf serum in vitro. <i>Free Radical Biology and Medicine</i> , 1994 , 16, 877-84	7.8	28
110	Glucose as a Major Antioxidant: When, What for and Why It Fails?. <i>Antioxidants</i> , 2020 , 9,	7.1	27
109	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
108	The influence of isorel on the advanced colorectal cancer. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2003 , 18, 27-34	3.9	26
107	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
106	The NRF2, Thioredoxin, and Glutathione System in Tumorigenesis and Anticancer Therapies. <i>Antioxidants</i> , 2020 , 9,	7.1	26
105	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
104	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
103	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
102	Metabolomic and glycomic findings in posttraumatic stress disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019 , 88, 181-193	5.5	23
101	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
100	Immunohistochemical appearance of HNE-protein conjugates in human astrocytomas. <i>BioFactors</i> , 2005 , 24, 33-40	6.1	23
99	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

98	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
97	Granulocytes as effective anticancer agent in experimental solid tumor models. <i>Immunobiology</i> , 2010 , 215, 1015-20	3.4	21
96	Induction of CMV-1 promoter by 4-hydroxy-2-nonenal in human embryonic kidney cells.. <i>Acta Biochimica Polonica</i> , 2010 , 57,	2	21
95	Antioxidant Activities of Alkyl Substituted Pyrazine Derivatives of Chalcones-In Vitro and In Silico Study. <i>Antioxidants</i> , 2019 , 8,	7.1	20
94	Ergometry induces systemic oxidative stress in healthy human subjects. <i>Tohoku Journal of Experimental Medicine</i> , 2010 , 221, 43-8	2.4	20
93	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
92	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
91	Perioperative application of the Viscum album extract Isorel in digestive tract cancer patients. <i>Anticancer Research</i> , 2005 , 25, 4583-90	2.3	20
90	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
89	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
88	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
87	Inhibition of HeLa cell proliferation by 4-hydroxynonenal is associated with enhanced expression of the c-fos oncogene. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 1997 , 12, 131-6	3.9	18
86	Inhibition of melanoma B16-F10 growth by lipid peroxidation product 4-hydroxynonenal. <i>Cancer Biotherapy</i> , 1995 , 10, 153-6		18
85	Post-traumatic dynamic change of carboxyterminal propeptide of type I procollagen, alkaline phosphatase and its isoenzymes as predictors for enhanced osteogenesis in patients with severe head injury. <i>Research in Experimental Medicine</i> , 1994 , 194, 247-59		18
84	Effect of semiconductor GaAs laser irradiation on pain perception in mice. <i>Lasers in Surgery and Medicine</i> , 1989 , 9, 63-6	3.6	18
83	Lipid peroxidation in the pathogenesis of neuroborreliosis. <i>Free Radical Biology and Medicine</i> , 2016 , 96, 255-63	7.8	18
82	Tick-borne encephalitis--lipid peroxidation and its consequences. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2016 , 76, 1-9	2	17
81	Involvement of Metabolic Lipid Mediators in the Regulation of Apoptosis. <i>Biomolecules</i> , 2020 , 10,	5.9	17

80	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
79	Effects of bioreactive acrolein from automotive exhaust gases on human cells in vitro. <i>Environmental Toxicology</i> , 2012 , 27, 644-52	4.2	17
78	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
77	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
76	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
75	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
74	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
73	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
72	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
71	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
70	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
69	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
68	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
67	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
66	S-metolachlor promotes oxidative stress in green microalga Parachlorella kessleri - A potential environmental and health risk for higher organisms. <i>Science of the Total Environment</i> , 2018 , 637-638, 41-49	10.2	12
65	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
64	Biocompatibility of oxygen-plasma-treated polystyrene substrates. <i>EPJ Applied Physics</i> , 2011 , 56, 24024	1.1	12
63	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

62	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
61	Stobadine attenuates impairment of an intestinal barrier model caused by 4-hydroxynonenal. <i>Toxicology in Vitro</i> , 2013 , 27, 426-32	3.6	11
60	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
59	Improved proliferation of human osteosarcoma cells on oxygen plasma treated polystyrene. <i>Vacuum</i> , 2013 , 98, 116-121	3.7	10
58	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
57	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
56	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
55	Oxidative Stress and Lipid Mediators Modulate Immune Cell Functions in Autoimmune Diseases. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	10
54	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
53	Reversal of multidrug resistance in murine lymphoma cells by amphiphilic dihydropyridine antioxidant derivative. <i>Anticancer Research</i> , 2010 , 30, 4063-9	2.3	10
52	CD36 expression in peripheral blood mononuclear cells reflects the onset of atherosclerosis. <i>BioFactors</i> , 2018 , 44, 588-596	6.1	9
51	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
50	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
49	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
48	4-Hydroxynonenal in Redox Homeostasis of Gastrointestinal Mucosa: Implications for the Stomach in Health and Diseases. <i>Antioxidants</i> , 2018 , 7,	7.1	9
47	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
46	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
45	Involvement of lipid peroxidation, oncogene expression and induction of apoptosis in the antitumorous activity of ferric-sorbitol-citrate. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2000 , 15, 285-93	3.9	8

44	Impaired proliferation and DNA synthesis of a human tumor cell line (HeLa) caused by short treatment with the anti-anemic drug jectofer (ferric-sorbitol-citrate) and the lipid peroxidation product 4-hydroxynonenal. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 1998 , 13, 395-401	3.9	8
43	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
42	Interval hypoxic training in complex treatment of Helicobacter pylori-associated peptic ulcer disease.. <i>Acta Biochimica Polonica</i> , 2010 , 57,	2	8
41	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
40	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
39	Biomarkers of nitro-oxidation and oxidative stress. <i>Current Opinion in Toxicology</i> , 2018 , 7, 73-80	4.4	7
38	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
37	Porcine splenic peptides (Polyerga) decrease the number of experimental lung metastases in mice. <i>Clinical and Experimental Metastasis</i> , 1996 , 14, 55-60	4.7	7
36	Lipid peroxidation in brain tumors. <i>Neurochemistry International</i> , 2021 , 149, 105118	4.4	7
35	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
34	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
33	Comparison of the values of basic fibroblast growth factor determined by an immunoassay in the sera of patients with traumatic brain injury and enhanced osteogenesis and the effects of the same sera on the fibroblast growth in vitro. <i>Clinical Chemistry and Laboratory Medicine</i> , 1995 , 33, 693-8	5.9	6
32	Oxidative stress and regeneration.. <i>Free Radical Biology and Medicine</i> , 2022 , 181, 154-165	7.8	6
31	Reduced Proteasome Activity and Enhanced Autophagy in Blood Cells of Psoriatic Patients. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
30	The Role of Acrolein and NADPH Oxidase in the Granulocyte-Mediated Growth-Inhibition of Tumor Cells. <i>Cells</i> , 2019 , 8,	7.9	5
29	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
28	Possible involvement of 4-hydroxynonenal in splenocyte regulated liver regeneration. <i>BioFactors</i> , 2005 , 24, 217-26	6.1	5
27	Interval hypoxic training in complex treatment of Helicobacter pylori-associated peptic ulcer disease. <i>Acta Biochimica Polonica</i> , 2010 , 57, 199-208	2	5

26	The Appearance of 4-Hydroxy-2-Nonenal (HNE) in Squamous Cell Carcinoma of the Oropharynx. <i>Molecules</i> , 2020 , 25,	4.8	4
25	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
24	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
23	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
22	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
21	Development of a novel monoclonal antibody against 4-hydroxy-2E,6Z-dodecadial (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
20	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
19	Sarcoplasmic reticulum Ca ²⁺ -ATPase from rabbit skeletal muscle modified by peroxy nitrite. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2014 , 29, 563-70	5.6	3
18	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
17	DNA-stabilisierende Wirkungen von Viscum album L. sind Mistelextrakte als Adjuvans während der konventionellen Chemotherapie indiziert?. <i>Complementary Medicine Research</i> , 1996 , 3, 244-248	1.3	3
16	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
15	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
14	Disease-Dependent Antiapoptotic Effects of Cannabidiol for Keratinocytes Observed upon UV Irradiation. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
13	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
12	Lipid peroxidation in Rheumatoid arthritis; consequences and monitoring. <i>Free Radical Biology and Medicine</i> , 2014 , 75 Suppl 1, S49	7.8	2
11	Analysis of the in vitro secretory activity of human pituitary adenomas: modification of corticotropin release from adenoma tissue explant cultures by addition of a human plasma ultrafiltrate bioactive fraction. <i>Clinical Chemistry and Laboratory Medicine</i> , 1996 , 34, 23-30	5.9	2
10	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
9	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

8	Monitoring Influence of Surgical Stress on Formation of Hydroxyl Radicals in Tumor Bearing Rats by Measuring Salicylic Acid Metabolites. <i>Electronic Journal of the International Federation of Clinical Chemistry and Laboratory Medicine</i> , 2000 , 12, 56-59	2.4	1
7	Association of Lipid Peroxidation Product 4-Hydroxynonenal with Post-Traumatic Stress Disorder. <i>Biomolecules</i> , 2021 , 11,	5.9	1
6	Spontaneous Regression of Cancer: Revealing Granulocytes and Oxidative Stress as the Crucial Double-edge Sword.. <i>Frontiers in Bioscience</i> , 2022 , 27, 119		1
5	A Review on Food-Associated Carcinogenesis 2016 , 35-56		0
4	Tick-borne encephalitis - lipid peroxidation and its consequences. <i>Free Radical Biology and Medicine</i> , 2015 , 86, S26-S27	7.8	
3	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	
2	Growth promoting effect of human plasma ultrafiltrate bioactive fraction (TBP) for human non-functioning pituitary adenoma cells in vitro. <i>Journal of Endocrinological Investigation</i> , 2000 , 23, 737-43 ^{5.2}		
1	In vitromodel of bone regeneration with bioactive glass and lipid peroxidation. <i>Orvosi Hetilap</i> , 2010 , 4, 73-78		