

Mieczyslaw Puchala

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

354
citations

933447

10
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

514
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of protective properties of resveratrol and melatonin in the radiation inactivation and destruction of glyceraldehyde-3-phosphate dehydrogenase and lactate dehydrogenase. <i>International Journal of Radiation Biology</i> , 2019, 95, 1472-1483.	1.8	3
2	The role of resveratrol and melatonin in the nitric oxide and its oxidation products mediated functional and structural modifications of two glycolytic enzymes: GAPDH and LDH. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 877-885.	2.4	6
3	Radiation-induced inactivation of enzymes – Molecular mechanism based on inactivation of dehydrogenases. <i>Radiation Physics and Chemistry</i> , 2016, 128, 112-117.	2.8	11
4	Analysis of Potential Binding Sites of 3,5,4-Trihydroxystilbene (Resveratrol) and <i>trans</i> -3,5-Tetrahydroxy-4-methoxystilbene (THMS) to the GAPDH Molecule Using a Computational Ligand-Docking Method: Structural and Functional Changes in GAPDH Induced by the Examined Polyphenols. <i>Journal of Physical Chemistry B</i> , 2015, 119, 9592-9600.	2.6	6
5	Antioxidant Properties of Resveratrol and its Protective Effects in Neurodegenerative Diseases. <i>Advances in Cell Biology</i> , 2014, 4, 97-117.	1.5	47
6	The effect of fullerene C ₆₀ (OH) ₃₀ on the alcohol dehydrogenase activity irradiated with X-rays. <i>Radiation Physics and Chemistry</i> , 2014, 97, 102-106.	2.8	18
7	Study on the effect of polyhydroxylated fullerene, C ₆₀ (OH) ₃₆ , on X-ray irradiated human peripheral blood mononuclear cells. <i>Radiation Physics and Chemistry</i> , 2014, 97, 325-331.	2.8	7
8	Rate constants of highly hydroxylated fullerene C ₆₀ interacting with hydroxyl radicals and hydrated electrons. Pulse radiolysis study. <i>Radiation Physics and Chemistry</i> , 2014, 103, 146-152.	2.8	29
9	Membrane fluidity and activity of membrane ATPases in human erythrocytes under the influence of polyhydroxylated fullerene. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 241-248.	2.6	48
10	Fullerene C ₆₀ (OH) ₃₆ could associate to band 3 protein of human erythrocyte membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 2007-2014.	2.6	37
11	The influence of oxygen on radiation-induced structural and functional changes in glyceraldehyde-3-phosphate dehydrogenase and lactate dehydrogenase. <i>Radiation Physics and Chemistry</i> , 2012, 81, 807-815.	2.8	8
12	Efficiency of superoxide anions in the inactivation of selected dehydrogenases. <i>Radiation Physics and Chemistry</i> , 2010, 79, 960-965.	2.8	17
13	Inactivation of chosen dehydrogenases by the products of water radiolysis and secondary albumin and haemoglobin radicals. <i>International Journal of Radiation Biology</i> , 2008, 84, 15-22.	1.8	12
14	Inactivation of alcohol dehydrogenase (ADH) by ferryl derivatives of human hemoglobin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2007, 1774, 86-92.	2.3	10
15	The influence of ferrylhemoglobin and methemoglobin on the human erythrocyte membrane. <i>Redox Report</i> , 2006, 11, 263-271.	4.5	17
16	The Influence of Radiation Quality on Radiation-induced Hemolysis and Hemoglobin Oxidation of Human Erythrocytes. <i>Journal of Radiation Research</i> , 2004, 45, 275-279.	1.6	36
17	Damage to Human Erythrocytes by Radiation-generated HO• Radicals: Molecular Changes in Erythrocyte Membranes. <i>Free Radical Research</i> , 2003, 37, 1137-1143.	3.3	24
18	Damage to hemoglobin by radiation-generated serum albumin radicals. <i>Free Radical Biology and Medicine</i> , 1999, 26, 1284-1291.	2.9	8

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19	The interaction of alcohol radicals with human hemoglobin. Radiation and Environmental Biophysics, 1994, 33, 325-339.	1.4	4