Alexey F Topunov

List of Publications by Year
in descending order

12	220	1163117 8	1199594 12
papers	citations	h-index	g-index

12	12	12	138
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interaction of reactive oxygen and nitrogen species with albumin- and methemoglobin-bound dinitrosyl-iron complexes. Nitric Oxide - Biology and Chemistry, 2008, 18, 37-46.	2.7	79
2	Dinitrosyl Iron Complexes Bind with Hemoglobin as Markers of Oxidative Stress. Methods in Enzymology, 2008, 436, 445-461.	1.0	44
3	Protective Effect of Dinitrosyl Iron Complexes with Glutathione in Red Blood Cell Lysis Induced by Hypochlorous Acid. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-12.	4.0	17
4	Carbonyl Stress in Red Blood Cells and Hemoglobin. Antioxidants, 2021, 10, 253.	5.1	16
5	Cloning and expression of plant leghemoglobin cDNA of Lupinus luteus in Escherichia coli and purification of the recombinant protein. Plant Science, 1995, 108, 109-117.	3.6	12
6	Formation of nitri- and nitrosylhemoglobin in systems modeling the Maillard reaction. Clinical Chemistry and Laboratory Medicine, 2014, 52, 161-8.	2.3	12
7	New dinitrosyl iron complexes bound with physiologically active dipeptide carnosine. Journal of Biological Inorganic Chemistry, 2017, 22, 153-160.	2.6	9
8	Interaction ofS-Nitrosoglutathione with Methemoglobin Under Conditions of Modeling Carbonyl Stress. Hemoglobin, 2013, 37, 205-218.	0.8	8
9	Protective Effect of Dinitrosyl Iron Complexes Bound with Hemoglobin on Oxidative Modification by Peroxynitrite. International Journal of Molecular Sciences, 2021, 22, 13649.	4.1	8
10	Expressed Soybean Leghemoglobin: Effect on Escherichia coli at Oxidative and Nitrosative Stress. Molecules, 2021, 26, 7207.	3.8	7
11	Dinitrosyl Iron Complexes and other Physiological Metabolites of Nitric Oxide: Multifarious Role in Plants. Natural Product Communications, 2016, 11, 1189-1192.	0.5	5
12	Dinitrosyl Iron Complexes and other Physiological Metabolites of Nitric Oxide: Multifarious Role in Plants. Natural Product Communications, 2016, 11, 1934578X1601100.	0.5	3