

Nikolay V Goncharov

List of Publications by Year in descending order

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49
papers

865
citations

687363

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501196

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50
all docs

50
docs citations

50
times ranked

1131
citing authors

#	ARTICLE	IF	CITATIONS
1	Markers and Biomarkers of Endothelium: When Something Is Rotten in the State. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-27.	4.0	139
2	Toxicology of fluoroacetate: a review, with possible directions for therapy research. <i>Journal of Applied Toxicology</i> , 2006, 26, 148-161.	2.8	100
3	Serum Albumin in Health and Disease: Esterase, Antioxidant, Transporting and Signaling Properties. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10318.	4.1	92
4	Reactive Oxygen Species in Pathogenesis of Atherosclerosis. <i>Current Pharmaceutical Design</i> , 2015, 21, 1134-1146.	1.9	71
5	Serum Albumin Binding and Esterase Activity: Mechanistic Interactions with Organophosphates. <i>Molecules</i> , 2017, 22, 1201.	3.8	60
6	The Universal Soldier: Enzymatic and Non-Enzymatic Antioxidant Functions of Serum Albumin. <i>Antioxidants</i> , 2020, 9, 966.	5.1	46
7	A novel strategy for the synthesis of thermally stable and apoptosis-inducing 2,3-dihydroazetes. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4479-4487.	2.8	37
8	Serum Albumin. <i>Encyclopedia</i> , 2021, 1, 65-75.	4.5	27
9	Determination of fluoroacetic acid in water and biological samples by GC-FID and GC-MS in combination with solid-phase microextraction. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 1395-1400.	3.7	22
10	Microplate biochemical determination of Russian VX: Influence of admixtures and avoidance of false negative results. <i>Analytical Biochemistry</i> , 2012, 424, 108-113.	2.4	19
11	Comparative analysis of esterase and paraoxonase activities of different serum albumin species. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2017, 53, 271-281.	0.6	18
12	Necrotic and apoptotic volume changes of red blood cells investigated by low-angle light scattering technique. <i>Spectroscopy</i> , 2007, 21, 105-120.	0.8	16
13	Organosulfur Compounds as Nutraceuticals. , 2016, , 555-568.		15
14	Angiotensin II activates different calcium signaling pathways in adipocytes. <i>Archives of Biochemistry and Biophysics</i> , 2016, 593, 38-49.	3.0	15
15	Sulfated glycosaminoglycans in bladder tissue and urine of rats after acute exposure to paraoxon and cyclophosphamide. <i>Experimental and Toxicologic Pathology</i> , 2017, 69, 339-347.	2.1	13
16	Rational in silico design of aptamers for organophosphates based on the example of paraoxon. <i>Computational Biology and Chemistry</i> , 2019, 80, 452-462.	2.3	13
17	A new method for studying platelets, based upon the low-angle light scattering technique. 1. Theoretical and experimental foundations of the method. <i>Spectroscopy</i> , 2005, 19, 235-246.	0.8	12
18	VAS2870 Inhibits Histamine-Induced Calcium Signaling and vWF Secretion in Human Umbilical Vein Endothelial Cells. <i>Cells</i> , 2019, 8, 196.	4.1	12

#	ARTICLE	IF	CITATIONS
19	The Rat (<i>Rattus norvegicus</i>) as a Model Object for Acute Organophosphate Poisoning. 1. Biochemical Aspects. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2019, 55, 112-123.	0.6	11
20	Enhancement by Hydrogen Peroxide of Calcium Signals in Endothelial Cells Induced by 5-HT1B and 5-HT2B Receptor Agonists. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-8.	4.0	11
21	A new method for studying platelets, based upon the low-angle light scattering technique. 2. Application of the method in experimental toxicology and clinical pathology. <i>Spectroscopy</i> , 2005, 19, 247-257.	0.8	10
22	Russian VX. , 2009, , 69-91.		9
23	Flow Cytometry and Light Scattering Technique in Evaluation of Nutraceuticals. , 2016, , 319-332.		9
24	The Role of Two-Pore Channels in Norepinephrine-Induced $[Ca^{2+}]_i$ Rise in Rat Aortic Smooth Muscle Cells and Aorta Contraction. <i>Cells</i> , 2019, 8, 1144.	4.1	9
25	Effect of Cys34 Oxidation State of Albumin on Its Interaction with Paraoxon according to Molecular Modeling Data. <i>Russian Journal of Bioorganic Chemistry</i> , 2019, 45, 535-544.	1.0	9
26	A new method for studying platelets, based upon the low-angle light scattering technique. 3. Aggregation hypersensitivity of platelets (ADP agonist) and search for corrective agents. <i>Spectroscopy</i> , 2006, 20, 57-66.	0.8	8
27	Esterase Activity of Serum Albumin Studied by 1H NMR Spectroscopy and Molecular Modelling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10593.	4.1	7
28	Polarographic and spectroscopic studies of the effects of fluoroacetate/fluorocitrate on cells and mitochondria. <i>Spectroscopy</i> , 2007, 21, 121-134.	0.8	6
29	Russian VX. , 2015, , 111-130.		6
30	Inhibition of protein tyrosine phosphatases unmasks vasoconstriction and potentiates calcium signaling in rat aorta smooth muscle cells in response to an agonist of 5-HT2B receptors BW723C86. <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 700-705.	2.1	6
31	4-Diazo and 4-(Triaz-1-en-1-yl)-1 <i>H</i> -pyrrole-2-carboxylates as Agents Inducing Apoptosis. <i>ChemistrySelect</i> , 2017, 2, 7508-7513.	1.5	6
32	The Rat (<i>Rattus norvegicus</i>) as a Model Object for Acute Organophosphate Poisoning. 2. A System Analysis of the Efficacy of Green Tea Extract in Preventing Delayed Effects of Poisoning. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2019, 55, 208-221.	0.6	6
33	Application of a low-angle light scattering technique to cell volume and cell signaling studies on Ehrlich ascite tumor cells. <i>Spectroscopy</i> , 2006, 20, 45-55.	0.8	4
34	Electrophysiological study of infant and adult rats under acute intoxication with fluoroacetamide. <i>Journal of Applied Toxicology</i> , 2007, 27, 538-550.	2.8	4
35	Fluoroacetate. , 2009, , 177-198.		3
36	Organosulfur compounds as nutraceuticals. , 2021, , 911-924.		3

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37	New Understanding on Pathogenesis of Delayed Effects of Rvx Low-Dose Chronic Exposure. , 2006, , 297-303.		2
38	Fluoroacetate. , 2015, , 193-214.		2
39	Safety and Toxicity Evaluation of Nutraceuticals in Animal Models. , 2019, , 675-684.		2
40	The Use of Fluorescently Labeled ARC1779 Aptamer for Assessing the Effect of H2O2 on von Willebrand Factor Exocytosis. Biochemistry (Moscow), 2021, 86, 123-131.	1.5	2
41	Nephrotoxic Effects of Paraoxon in Three Rat Models of Acute Intoxication. International Journal of Molecular Sciences, 2021, 22, 13625.	4.1	2
42	Chemical pretreatment of cells for enhanced discrimination of clinical yeast isolates by MALDI-TOF-MS. Biomedical Spectroscopy and Imaging, 2014, 3, 41-50.	1.2	1
43	Chemical pretreatment of cells for enhanced MALDI-TOF-MS discrimination of clinical staphylococci including MRSA. Biomedical Spectroscopy and Imaging, 2014, 3, 369-380.	1.2	0
44	Biochemical Aspects of Hydroquinone Impact on Motor Activity in Newborn Rats. Journal of Evolutionary Biochemistry and Physiology, 2018, 54, 425-433.	0.6	0
45	Russian VX. , 2020, , 127-141.		0
46	Fluoroacetate. , 2020, , 215-238.		0
47	Experimental modeling for delayed effects of organophosphates. , 2020, , 843-851.		0
48	Flow cytometry and light-scattering techniques in evaluation of nutraceuticals. , 2021, , 379-393.		0
49	Low-Dose Ammonium Preconditioning Enhances Endurance in Submaximal Physical Exercises. Sports, 2021, 9, 29.	1.7	0