

Ljuba M Mandic

List of Publications by Year in descending order

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39
papers

417
citations

567281

15
h-index

794594

19
g-index

39
all docs

39
docs citations

39
times ranked

592
citing authors

#	ARTICLE	IF	CITATIONS
1	Fatty acids binding to human serum albumin: Changes of reactivity and glycation level of Cysteine-34 free thiol group with methylglyoxal. <i>Chemico-Biological Interactions</i> , 2014, 224, 42-50.	4.0	30
2	The role of the thiol group in protein modification with methylglyoxal. <i>Journal of the Serbian Chemical Society</i> , 2009, 74, 867-883.	0.8	28
3	Kinetic spectrophotometric method for gold(III) determination. <i>Analytica Chimica Acta</i> , 2005, 547, 144-149.	5.4	25
4	4-Aryl-4-oxo-N-phenyl-2-aminylbutyramides as acetyl- and butyrylcholinesterase inhibitors. Preparation, anticholinesterase activity, docking study, and 3D structure-activity relationship based on molecular interaction fields. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 1181-1193.	3.0	24
5	A spectrophotometric method for simultaneous determination of protein-bound hexoses and fucose with a mixture of l-cysteine and phenol. <i>Analytical Biochemistry</i> , 1990, 188, 222-227.	2.4	23
6	Validity of an FFQ assessing the vitamin D intake of young Serbian women living in a region without food fortification: the method of triads model. <i>Public Health Nutrition</i> , 2016, 19, 437-445.	2.2	21
7	Influence of the microenvironment of thiol groups in low molecular mass thiols and serum albumin on the reaction with methylglyoxal. <i>Chemico-Biological Interactions</i> , 2010, 188, 21-30.	4.0	20
8	Structural modifications of 4-aryl-4-oxo-2-aminylbutanamides and their acetyl- and butyrylcholinesterase inhibitory activity. Investigation of AChE ligand interactions by docking calculations and molecular dynamics simulations. <i>European Journal of Medicinal Chemistry</i> , 2014, 81, 158-175.	5.5	20
9	Method for monitoring of the protein amino group changes during carbonylation. <i>Clinical Biochemistry</i> , 2011, 44, 994-999.	1.9	19
10	Beer as a Teaching Aid in the Classroom and Laboratory. <i>Journal of Chemical Education</i> , 2012, 89, 605-609.	2.3	18
11	Fish oil supplementation improved liver phospholipids fatty acid composition and parameters of oxidative stress in male wistar rats. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2012, 96, 1020-1029.	2.2	18
12	The influence of fatty acids on determination of human serum albumin thiol group. <i>Analytical Biochemistry</i> , 2014, 448, 50-57.	2.4	16
13	Binding of enterolactone and enterodiol to human serum albumin: increase of cysteine-34 thiol group reactivity. <i>Food and Function</i> , 2016, 7, 1217-1226.	4.6	16
14	Improving the reliability of human serum albumin-thiol group determination. <i>Analytical Biochemistry</i> , 2013, 439, 17-22.	2.4	15
15	Vitamin D status in mothers with pre-eclampsia and their infants: a case-control study from Serbia, a country without a vitamin D fortification policy. <i>Public Health Nutrition</i> , 2017, 20, 1825-1835.	2.2	15
16	The possibility of determining N-acetyl- β -D-glucosaminidase isoenzymes under alkaline conditions. <i>Clinical Biochemistry</i> , 2005, 38, 384-389.	1.9	11
17	Acute and/or chronic stress models modulate CuZnSOD and MnSOD protein expression in rat liver. <i>Molecular and Cellular Biochemistry</i> , 2010, 338, 167-174.	3.1	10
18	Chronic isolation stress compromises JNK/c-Jun signaling in rat brain. <i>Journal of Neural Transmission</i> , 2012, 119, 1275-1284.	2.8	10

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19	Change in the iso-enzyme profiles of urinary N-acetyl-D-glucosaminidase in workers exposed to mercury. <i>Toxicology and Industrial Health</i> , 2002, 18, 207-214.	1.4	9
20	HSA carbonylation with methylglyoxal and the binding/release of copper(ii) ions. <i>Metallomics</i> , 2015, 7, 1431-1438.	2.4	8
21	Cholinesterase inhibition based determination of pancuronium bromide in biological samples. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 1462-1469.	3.7	7
22	A modification of the kinetic determination of pancuronium bromide based on its inhibitory effect on cholinesterase. <i>Journal of Clinical Laboratory Analysis</i> , 2007, 21, 124-131.	2.1	7
23	The efficiency of compounds with α -amino-mercapto-ethane group in protection of human serum albumin carbonylation and cross-linking with methylglyoxal. <i>Molecular BioSystems</i> , 2014, 10, 2166-2175.	2.9	7
24	Monitoring of the human serum albumin carbonylation level through determination of guanidino group content. <i>Analytical Biochemistry</i> , 2013, 433, 162-167.	2.4	6
25	The interplay between copper(II), human serum albumin, fatty acids, and carbonylating agent interferes with Cys 34 thiol reactivity and copper binding. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 61-70.	2.6	6
26	Isolation and partial characterization of an acid phosphatase from <i>Artemisia vulgaris</i> pollen extract. <i>Journal of the Serbian Chemical Society</i> , 2002, 67, 567-572.	0.8	6
27	Simultaneous LC determination of tiazofurin, its acetyl and benzoyl esters and their active metabolite thiazole-4-carboxamide adenine dinucleotide in biological samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 30, 993-999.	2.8	4
28	Quantification of total content of non-esterified fatty acids bound to human serum albumin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 129, 43-49.	2.8	4
29	Enzymatic kinetic method for determination of propranolol hydrochloride in pharmaceuticals based on its inhibitory effect on cholinesterase. <i>Hemijaska Industrija</i> , 2012, 66, 677-684.	0.7	3
30	Changes of isoenzymes of serum N-acetyl-D-glucosaminidase in relation to different types of diabetes. <i>IUBMB Life</i> , 1998, 45, 545-554.	3.4	2
31	Change in the iso-enzyme profiles of urinary N-acetyl-b-D-glucosaminidase in workers exposed to mercury. <i>Toxicology and Industrial Health</i> , 2002, 18, 207-217.	1.4	2
32	Opposite clozapine and ziprasidone effects on the reactivity of plasma albumin SH-group are the consequence of their different binding properties dependent on protein fatty acids content. <i>Chemico-Biological Interactions</i> , 2019, 311, 108787.	4.0	2
33	"It happened, what's the problem?" and "A guide through the problem": A model for consideration of ecological issues in chemistry education. <i>Journal of the Serbian Chemical Society</i> , 2015, 80, 1567-1580.	0.8	2
34	Bilirubin determination in gallstones. <i>Fresenius' Journal of Analytical Chemistry</i> , 1991, 341, 723-726.	1.5	1
35	Influence of pigments and pH of urine on the determination of N-acetyl-D-glucosaminidase activity with 2-methoxy-4-(2-nitrovinyl)-phenyl-N-acetyl-D-glucosaminide. <i>Journal of Clinical Laboratory Analysis</i> , 2005, 19, 260-266.	2.1	1
36	N-3 polyunsaturated acids in erythrocyte phospholipids are associated with insulin sensitivity in obese patients on a typical Serbian diet. <i>Archives of Biological Sciences</i> , 2009, 61, 37-43.	0.5	1

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37	Serum <i>N</i> -acetyl-D-glucosaminidase profiles in type 1 diabetes secondary complications: causes of changes and significance of determination. Journal of Clinical Laboratory Analysis, 2008, 22, 307-313.	2.1	0
38	How the sialylation level of serum N-acetyl-D-glucosaminidase a form in type 1 diabetes mellitus influences its activity?. Journal of the Serbian Chemical Society, 2014, 79, 1491-1503.	0.8	0
39	The basic haematological measurements in peripheral blood from workers exposed to mercury vapours. Journal of Medical Biochemistry, 2004, 23, 381-385.	0.1	0