

Maria WrÃ³bel

List of Publications by Year in descending order

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66
papers

829
citations

516215

16
h-index

580395

25
g-index

71
all docs

71
docs citations

71
times ranked

885
citing authors

#	ARTICLE	IF	CITATIONS
1	Intracolonic hydrogen sulfide lowers blood pressure in rats. Nitric Oxide - Biology and Chemistry, 2016, 60, 50-58.	1.2	73
2	Sulfurtransferases and Cyanide Detoxification in Mouse Liver, Kidney, and Brain. Toxicology Mechanisms and Methods, 2004, 14, 331-337.	1.3	61
3	The expression and activity of cystathionine- β -lyase and 3-mercaptopyruvate sulfurtransferase in human neoplastic cell lines. Amino Acids, 2011, 41, 151-158.	1.2	54
4	Is Development of High-Grade Gliomas Sulfur-Dependent?. Molecules, 2014, 19, 21350-21362.	1.7	38
5	RP-HPLC method for quantitative determination of cystathionine, cysteine and glutathione: An application for the study of the metabolism of cysteine in human brain. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 2005-2009.	1.2	36
6	Exogenous and Endogenous Hydrogen Sulfide Protects Gastric Mucosa against the Formation and Time-Dependent Development of Ischemia/Reperfusion-Induced Acute Lesions Progressing into Deeper Ulcerations. Molecules, 2017, 22, 295.	1.7	28
7	N-acetyl-L-cysteine as a source of sulfane sulfur in astrocytoma and astrocyte cultures: correlations with cell proliferation. Amino Acids, 2008, 34, 231-237.	1.2	27
8	The Architecture of Thiol Antioxidant Systems among Invertebrate Parasites. Molecules, 2017, 22, 259.	1.7	26
9	Hydrogen sulfide generation from L-cysteine in the human glioblastoma-astrocytoma U-87 MG and neuroblastoma SHSY5Y cell lines. Acta Biochimica Polonica, 2017, 64, 171-176.	0.3	24
10	The level of sulfane sulfur in the fungus <i>Aspergillus nidulans</i> wild type and mutant strains. Amino Acids, 2009, 37, 565-571.	1.2	21
11	A possible mechanism of inhibition of U87MG and SH-SY5Y cancer cell proliferation by diallyl trisulfide and other aspects of its activity. Amino Acids, 2017, 49, 1855-1866.	1.2	20
12	Transamination and transsulphuration of L-cysteine in ehrlich ascites tumor cells and mouse liver. International Journal of Biochemistry & Cell Biology, 1993, 25, 107-112.	0.8	18
13	Cadmium toxicity related to cysteine metabolism and glutathione levels in frog <i>Rana ridibunda</i> tissues. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2006, 142, 128-135.	1.3	18
14	Colonic hydrogen sulfide produces portal hypertension and systemic hypotension in rats. Experimental Biology and Medicine, 2018, 243, 96-106.	1.1	18
15	Potential therapeutic advantage of ribose-cysteine in the inhibition of astrocytoma cell proliferation. Amino Acids, 2011, 41, 131-139.	1.2	17
16	Na ₂ S, a fast-releasing H ₂ S donor, given as suppository lowers blood pressure in rats. Pharmacological Reports, 2017, 69, 971-977.	1.5	17
17	Sulfur Administration in Fe-S Cluster Homeostasis. Antioxidants, 2021, 10, 1738.	2.2	17
18	Sulfurtransferases and the content of cysteine, glutathione and sulfane sulfur in tissues of the frog <i>Rana temporaria</i> . Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2000, 125, 211-217.	0.7	13

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19	Hydrogen Sulphide Production in Healthy and Ulcerated Gastric Mucosa of Rats. <i>Molecules</i> , 2017, 22, 530.	1.7	13
20	Inhibition of Human Neuroblastoma Cell Proliferation by N-acetyl-L-cysteine as a Result of Increased Sulfane Sulfur Level. <i>Anticancer Research</i> , 2018, 38, 5109-5113.	0.5	13
21	Multidirectional Changes in Parameters Related to Sulfur Metabolism in Frog Tissues Exposed to Heavy Metal-Related Stress. <i>Biomolecules</i> , 2020, 10, 574.	1.8	13
22	Hyaluronic Acid-Based Nanocapsules as Efficient Delivery Systems of Garlic Oil Active Components with Anticancer Activity. <i>Nanomaterials</i> , 2021, 11, 1354.	1.9	13
23	L-Cysteine Metabolism in Guinea Pig and Rat Tissues. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1997, 116, 223-226.	0.7	12
24	Exposure to lead in water and cysteine non-oxidative metabolism in <i>Pelophylax ridibundus</i> tissues. <i>Aquatic Toxicology</i> , 2013, 127, 72-77.	1.9	12
25	A case study of an unknown mass grave "Hostages killed 70 years ago by a Nazi firing squad identified thanks to genetics. <i>Forensic Science International</i> , 2017, 278, 173-176.	1.3	12
26	New aspects of antiproliferative activity of 4-hydroxybenzyl isothiocyanate, a natural H ₂ S-donor. <i>Amino Acids</i> , 2018, 50, 699-709.	1.2	12
27	Hypertension and Aging Affect Liver Sulfur Metabolism in Rats. <i>Cells</i> , 2021, 10, 1238.	1.8	12
28	Effects of thiazolidine-4(R)-carboxylates and other low-molecular-weight sulfur compounds on the activity of mercaptopyruvate sulfurtransferase, rhodanese and cystathionase in Ehrlich ascites tumor cells and tumor-bearing mouse liver. <i>Amino Acids</i> , 1997, 12, 309-314.	1.2	11
29	Effect of S-Allyl L-Cysteine on MCF-7 Cell Line 3-Mercaptopyruvate Sulfurtransferase/Sulfane Sulfur System, Viability and Apoptosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1090.	1.8	11
30	Murine cellular model of mucopolysaccharidosis, type IIIB (MPS IIIB) " A preliminary study with particular emphasis on the non-oxidative l-cysteine metabolism. <i>Biochimie</i> , 2020, 174, 84-94.	1.3	10
31	H ₂ S, Polysulfides, and Enzymes: Physiological and Pathological Aspects. <i>Biomolecules</i> , 2020, 10, 640.	1.8	9
32	The Expression and Activity of Rhodanese, 3-Mercaptopyruvate Sulfurtransferase, Cystathionine β -Lyase in the Most Frequently Chosen Cellular Research Models. <i>Biomolecules</i> , 2021, 11, 1859.	1.8	9
33	The effect of 2-substituted thiazolidine-4(R)-carboxylic acids on non-protein sulphhydryl levels and sulphurtransferase activities in mouse liver and brain. <i>Biochemical Pharmacology</i> , 1993, 46, 190-193.	2.0	8
34	Season Dependent Response of the Marsh Frog (<i>Rana ridibunda</i>) to Cadmium Exposure. <i>Folia Biologica</i> , 2006, 54, 159-165.	0.1	8
35	An application of RP-HPLC for determination of the activity of cystathionine β -synthase and β -cystathionase in tissue homogenates. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 46, 186-191.	1.2	8
36	Dual amplification strategy for improved efficiency of forensic DNA analysis using NGM Detecta [®] , NGM [®] or Globalfiler [®] kits. <i>Forensic Science International: Genetics</i> , 2018, 35, 46-49.	1.6	8

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37	Expression and activity of hydrogen sulfide generating enzymes in murine macrophages stimulated with lipopolysaccharide and interferon- β . <i>Molecular Biology Reports</i> , 2019, 46, 2791-2798.	1.0	7
38	Changes in Activity of Three Sulfurtransferases in Response to Exposure to Cadmium, Lead and Mercury Ions. <i>Journal of Environmental Protection</i> , 2013, 04, 19-28.	0.3	7
39	Heparan Sulfate, Mucopolysaccharidosis IIIB and Sulfur Metabolism Disorders. <i>Antioxidants</i> , 2022, 11, 678.	2.2	7
40	Heart and kidney H ₂ S production is reduced in hypertensive and older rats. <i>Biochimie</i> , 2022, 199, 130-138.	1.3	7
41	Effect of mercury ions on cysteine metabolism in <i>Xenopus laevis</i> tissues. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2011, 154, 180-186.	1.3	5
42	Similar effect of sodium nitroprusside and acetylsalicylic acid on antioxidant system improvement in mouse liver but not in the brain. <i>Biochimie</i> , 2017, 135, 181-185.	1.3	5
43	Cystathionine Promotes the Proliferation of Human Astrocytoma U373 Cells. <i>Anticancer Research</i> , 2018, 38, 3501-3505.	0.5	5
44	Effect of glycosaminoglycans accumulation on the non-oxidative sulfur metabolism in mouse model of Sanfilippo syndrome, type B. <i>Acta Biochimica Polonica</i> , 2019, 66, 567-576.	0.3	5
45	Hydrogen sulfide formation in experimental model of acute pancreatitis. <i>Acta Biochimica Polonica</i> , 2019, 66, 611-618.	0.3	5
46	Inhibition of sulfate excretion by (aminoxy)acetate induced stimulation of taurine excretion in rats. <i>Amino Acids</i> , 1995, 8, 345-352.	1.2	4
47	Rhodanese in Mouse Brain: Regional Differences and Their Metabolic Implications. <i>Toxicology Mechanisms and Methods</i> , 2006, 16, 169-172.	1.3	4
48	Cell proliferation induced by modified cationic dextran. <i>Bio-Algorithms and Med-Systems</i> , 2018, 14, .	1.0	4
49	Selective effect of 2-(Polyhydroxyalkyl)-thiazolidine-4-carboxylic acids on nonprotein sulfhydryl groups in tumor bearing mice. <i>General Pharmacology</i> , 1996, 27, 1373-1376.	0.7	3
50	Atomic Sulfur: An Element for Adaptation to an Oxidative Environment. <i>Molecules</i> , 2017, 22, 1821.	1.7	3
51	Evaluation of the performance of the beta version of the ForenSeq DNA signature Prep Kit on the MiSeq FGx forensic genomics system. <i>Forensic Science International: Genetics Supplement Series</i> , 2019, 7, 585-586.	0.1	3
52	Confirmation of Paternity despite Three Genetic Incompatibilities at Chromosome 2. <i>Genes</i> , 2021, 12, 62.	1.0	3
53	Sulfurtransferases and Cystathionine Beta-Synthase Expression in Different Human Leukemia Cell Lines. <i>Biomolecules</i> , 2022, 12, 148.	1.8	3
54	Menadione effect on l-cysteine desulfuration in U373 cells. <i>Acta Biochimica Polonica</i> , 2007, 54, 407-11.	0.3	3

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55	Rhodanese (thiosulfate:cyanide sulfurtransferase) from frog <i>Rana temporaria</i> . <i>Biomedical Applications</i> , 2000, 746, 315-318.	1.7	2
56	Ceramic-poly lactide composite material used in a model of healing of osseous defects in rabbits. <i>Polish Journal of Pathology</i> , 2017, 2, 153-161.	0.1	2
57	Seasonal changes in the activity of rhodanese in frog (<i>Rana Temporaria</i>) liver. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1992, 103, 469-472.	0.2	1
58	Seasonal variation in the activity of 3-mercaptopyruvate sulphurtransferase of the frog (<i>Rana</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 105, 91-95.	0.2	1
59	From gene to protein: Prostatic acid phosphatase: Structure and expression of gene and protein. <i>Biochemistry and Molecular Biology Education</i> , 2004, 32, 400-409.	0.5	1
60	Remembering Professor Toshihiko Ubuka (1934–2008). <i>Amino Acids</i> , 2011, 41, 3-5.	1.2	1
61	Y chromosome sequence variation of common forensic STR markers and their flanking regions among Polish population. <i>Forensic Science International: Genetics Supplement Series</i> , 2019, 7, 557-560.	0.1	1
62	The Cytotoxicity of OptiBond Solo Plus and Its Effect on Sulfur Enzymes Expression in Human Fibroblast Cell Line Hs27. <i>Coatings</i> , 2022, 12, 382.	1.2	1
63	Sulfur- and seleno-containing amino acids. <i>Amino Acids</i> , 2011, 41, 1-2.	1.2	0
64	Cytotoxicity and Proinflammatory Cytokine Expression in Response to Eluates of a Ceramic-Polymer Composite Biomaterial in Cultured Human hs-27 Cells; Possible Application for Bone Regeneration. <i>Folia Biologica</i> , 2018, 66, 159-164.	0.1	0
65	Metabolism of cysteine in primary hepatocytes from cysteine dioxygenase (CDO1) knockout mice. <i>FASEB Journal</i> , 2013, 27, 631.25.	0.2	0
66	Colonic Indole And Hydrogen Sulfide, Gut Bacterial Metabolites, Affect Portal Blood Pressure in Healthy And Cirrhotic Rats. <i>FASEB Journal</i> , 2018, 32, 873.3.	0.2	0