Nikolaos N Labrou

List of Publications by Year
in descending order

194	5,051	94269	128067
papers	citations	37 h-index	60 g-index

198	198	198	4496
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Plant glutathione transferase-mediated stress tolerance: functions and biotechnological applications. Plant Cell Reports, 2017, 36, 791-805.	2.8	178
2	Plant GSTome: structure and functional role in xenome network and plant stress response. Current Opinion in Biotechnology, 2015, 32, 186-194.	3.3	162
3	Cost-effective production of a vaginal protein microbicide to prevent HIV transmission. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3727-3732.	3.3	154
4	l-Asparaginase from Erwinia Chrysanthemi 3937: Cloning, expression and characterization. Journal of Biotechnology, 2007, 127, 657-669.	1.9	139
5	Design and selection of ligands for affinity chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 790, 67-78.	1.2	126
6	Development of transgenic tobacco plants overexpressing maize glutathione S-transferase I for chloroacetanilide herbicides phytoremediation. New Biotechnology, 2005, 22, 121-128.	2.7	118
7	The affinity technology in downstream processing. Journal of Biotechnology, 1994, 36, 95-119.	1.9	117
8	Random Mutagenesis Methods for In Vitro Directed Enzyme Evolution. Current Protein and Peptide Science, 2010, 11, 91-100.	0.7	117
9	Biomimetic dyes as affinity chromatography tools in enzyme purification. Journal of Chromatography A, 2000, 891, 33-44.	1.8	116
10	Overexpression of a specific soybean GmGSTU4 isoenzyme improves diphenyl ether and chloroacetanilide herbicide tolerance of transgenic tobacco plants. Journal of Biotechnology, 2010, 150, 195-201.	1.9	92
11	Development of an aqueous two-phase partitioning system for fractionating therapeutic proteins from tobacco extract. Journal of Chromatography A, 2006, 1128, 114-124.	1.8	91
12	Crystallographic and Functional Characterization of the Fluorodifen-inducible Glutathione Transferase from Glycine max Reveals an Active Site Topography Suited for Diphenylether Herbicides and a Novel L-site. Journal of Molecular Biology, 2009, 385, 984-1002.	2.0	89
13	Engineering thermal stability of <scp>lâ€</scp>asparaginase by inâ€ƒvitro directed evolution. FEBS Journal, 2009, 276, 1750-1761.	2.2	83
14	Cloning, expression and characterisation of Erwinia carotovora l-asparaginase. Journal of Biotechnology, 2005, 119, 309-323.	1.9	82
15	Structureâ€guided alteration of coenzyme specificity of formate dehydrogenase by saturation mutagenesis to enable efficient utilization of NADP⁺. FEBS Journal, 2008, 275, 3859-3869.	2.2	78
16	Bioprospecting of functional cellulases from metagenome for second generation biofuel production: a review. Critical Reviews in Microbiology, 2018, 44, 244-257.	2.7	76
17	Random Mutagenesis Methods for In Vitro Directed Enzyme Evolution. Current Protein and Peptide Science, 2009, 999, 1-12.	0.7	73
18	Biomimetic-dye affinity adsorbents for enzyme purification: Application to the one-step purification ofCandida boidinii formate dehydrogenase. Biotechnology and Bioengineering, 1995, 48, 278-288.	1.7	72

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19	Functional and structural roles of the glutathione-binding residues in maize (Zea mays) glutathione S-transferase I. Biochemical Journal, 2001, 358, 101-110.	1.7	72
20	Functional characterization of glutathione S-transferases associated with insecticide resistance in Tetranychus urticae. Pesticide Biochemistry and Physiology, 2015, 121, 53-60.	1.6	69
21	A glutathione-S-transferase (TuGSTd05) associated with acaricide resistance in Tetranychus urticae directly metabolizes the complex II inhibitor cyflumetofen. Insect Biochemistry and Molecular Biology, 2017, 80, 101-115.	1.2	68
22	New downstream processing strategy for the purification of monoclonal antibodies from transgenic tobacco plants. Journal of Chromatography A, 2008, 1211, 80-89.	1.8	61
23	Recent advances in protein engineering and biotechnological applications of glutathione transferases. Critical Reviews in Biotechnology, 2018, 38, 511-528.	5.1	56
24	Glutathione Transferases: Emerging Multidisciplinary Tools in Red and Green Biotechnology. Recent Patents on Biotechnology, 2009, 3, 211-223.	0.4	53
25	Active-site characterization of Candida boidinii formate dehydrogenase. Biochemical Journal, 2001, 354, 455-463.	1.7	51
26	Antioxidant capacity and immunomodulatory effects of a chrysolaminarin-enriched extract in Senegalese sole. Fish and Shellfish Immunology, 2018, 82, 1-8.	1.6	51
27	Characterization of the ligandin site of maize glutathione S-transferase I. Biochemical Journal, 2004, 382, 885-893.	1.7	49
28	Application of a PEG/salt aqueous twoâ€phase partition system for the recovery of monoclonal antibodies from unclarified transgenic tobacco extract. Biotechnology Journal, 2009, 4, 1320-1327.	1.8	47
29	Crystal structure of Glycine max glutathione transferase in complex with glutathione: investigation of the mechanism operating by the Tau class glutathione transferases. Biochemical Journal, 2009, 422, 247-256.	1.7	46
30	Molecular modeling for the design of a biomimetic chimeric ligand. Application to the purification of bovine heart L-lactate dehydrogenase. , 1999, 63, 322-332.		45
31	Engineering sensitive glutathione transferase for the detection of xenobiotics. Biosensors and Bioelectronics, 2008, 24, 498-503.	5.3	45
32	The Interaction of Candida boidinii Formate Dehydrogenase with a New Family of Chimeric Biomimetic Dye-Ligands. Archives of Biochemistry and Biophysics, 1995, 316, 169-178.	1.4	44
33	Engineering the substrate specificity of cytochrome P450 CYP102A2 by directed evolution: production of an efficient enzyme for bioconversion of fine chemicals. New Biotechnology, 2005, 22, 81-88.	2.7	44
34	Skin Protective Effects of Nannochloropsis gaditana Extract on H2O2-Stressed Human Dermal Fibroblasts. Frontiers in Marine Science, 2017, 4, .	1.2	44
35	Functional and structural roles of the glutathione-binding residues in maize (Zea mays) glutathione S-transferase I. Biochemical Journal, 2001, 358, 101.	1.7	43
36	Tailoring structureâ€“function properties of L-asparaginase: engineering resistance to trypsin cleavage. Biochemical Journal, 2007, 404, 337-343.	1.7	42

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37	Catalytic and structural diversity of the fluazifop-inducible glutathione transferases from Phaseolus vulgaris. Planta, 2012, 235, 1253-1269.	1.6	42
38	Protein Purification: An Overview. Methods in Molecular Biology, 2014, 1129, 3-10.	0.4	41
39	Biomimetic dye affinity chromatography for the purification of bovine heart lactate dehydrogenase. Journal of Chromatography A, 1995, 718, 35-44.	1.8	38
40	Growth, Physiological, Biochemical, and Transcriptional Responses to Drought Stress in Seedlings of Medicago sativa L., Medicago arborea L. and Their Hybrid (Alborea). Agronomy, 2019, 9, 38.	1.3	37
41	Structure of a calcium-deficient form of influenza virus neuraminidase: implications for substrate binding. Acta Crystallographica Section D: Biological Crystallography, 2006, 62, 947-952.	2.5	36
42	Lock-and-key motif as a concept for designing affinity adsorbents for protein purification. Journal of Chromatography A, 2006, 1128, 138-151.	1.8	36
43	Sulphonamide-based bombesin prodrug analogues for glutathione transferase, useful in targeted cancer chemotherapy. European Journal of Medicinal Chemistry, 2009, 44, 2009-2016.	2.6	35
44	Catalytic features and crystal structure of a tau class glutathione transferase from Glycine max specifically upregulated in response to soybean mosaic virus infections. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 166-177.	1.1	35
45	Structure-Function Relationships and Clinical Applications of L-Asparaginases. Current Medicinal Chemistry, 2010, 17, 2183-2195.	1.2	34
46	Molecular modelling for the design of chimaeric biomimetic dyeâ€"ligands and their interaction with bovine heart mitochondrial malate dehydrogenase. Biochemical Journal, 1996, 315, 695-703.	1.7	33
47	Heterologous production of extreme alkaline thermostable NAD + -dependent formate dehydrogenase with wide-range pH activity from Myceliophthora thermophila. Process Biochemistry, 2017, 61, 110-118.	1.8	33
48	Highly efficient Pyrococcus furiosus recombinant L-asparaginase with no glutaminase activity: Expression, purification, functional characterization, and cytotoxicity on THP-1, A549 and Caco-2 cell lines. International Journal of Biological Macromolecules, 2020, 156, 812-828.	3.6	33
49	Stress-inducible GmGSTU4 shapes transgenic tobacco plants metabolome towards increased salinity tolerance. Acta Physiologiae Plantarum, 2015, 37, 1.	1.0	31
50	Directed evolution of Tau class glutathione transferases reveals a site that regulates catalytic efficiency and masks co-operativity. Biochemical Journal, 2016, 473, 559-570.	1.7	31
51	Characterization and functional analysis of a recombinant tau class glutathione transferase GmGSTU2-2 from Glycine max. International Journal of Biological Macromolecules, 2017, 94, 802-812.	3.6	31
52	The Interaction of the Chemotherapeutic Drug Chlorambucil with Human Glutathione Transferase A1-1: Kinetic and Structural Analysis. PLoS ONE, 2013, 8, e56337.	1.1	30
53	L-Malate Dehydrogenase fromPseudomonas stutzeri:Purification and Characterization. Archives of Biochemistry and Biophysics, 1997, 337, 103-114.	1.4	29
54	Cloning and characterization of Lotus japonicus formate dehydrogenase: A possible correlation with hypoxia. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 976-984.	1.1	29

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55	Directed evolution of glutathione transferases towards a selective glutathione-binding site and improved oxidative stability. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 3416-3428.	1.1	29
56	Characterization of the NAD+ binding site of Candida boidinii formate dehydrogenase by affinity labelling and site-directed mutagenesis. FEBS Journal, 2000, 267, 6657-6664.	0.2	28
57	Cloning and Characterization of a Biotic-Stress-Inducible Glutathione Transferase from Phaseolus vulgaris. Applied Biochemistry and Biotechnology, 2014, 172, 595-609.	1.4	28
58	The impact of the dietary supplementation level with schizochytrium sp, on the oxidative capacity of both goatsâ€™ organism and milk. Livestock Science, 2018, 218, 37-43.	0.6	28
59	Biomimetic-dye affinity chromatography for the purification of mitochondrial l-malate dehydrogenase from bovine heart. Journal of Biotechnology, 1996, 45, 185-194.	1.9	27
60	Overlapping protective roles for glutathione transferase gene family members in chemical and oxidative stress response in Agrobacterium tumefaciens. Functional and Integrative Genomics, 2012, 12, 157-172.	1.4	27
61	Effect of underâ€•and overfeeding on sheep and goat milk and plasma enzymes activities related to oxidation. Journal of Animal Physiology and Animal Nutrition, 2018, 102, e288-e298.	1.0	27
62	The conserved Asn49 of maize glutathioneS-transferase I modulates substrate binding, catalysis and intersubunit communication. FEBS Journal, 2001, 268, 3950-3957.	0.2	26
63	The effect of dietary <scp>C</scp>hlorella vulgaris supplementation on microâ€•organism community, enzyme activities and fatty acid profile in the rumen liquid of goats. Journal of Animal Physiology and Animal Nutrition, 2017, 101, 275-283.	1.0	26
64	The effect of dietary supplementation with rumenâ€protected methionine alone or in combination with rumenâ€protected choline and betaine on sheep milk and antioxidant capacity. Journal of Animal Physiology and Animal Nutrition, 2017, 101, 1004-1013.	1.0	26
65	A Glutathione Transferase from Agrobacterium tumefaciens Reveals a Novel Class of Bacterial GST Superfamily. PLoS ONE, 2012, 7, e34263.	1.1	26
66	The structure-function relationship in the clostripain family of peptidases. FEBS Journal, 2004, 271, 983-992.	0.2	25
67	Affinity chromatography for the purification of therapeutic proteins from transgenic maize using immobilized histamine. Journal of Separation Science, 2008, 31, 636-645.	1.3	25
68	Biochemical characterization and immobilization of Erwinia carotovora l -asparaginase in a microplate for high-throughput biosensing of l -asparagine. Enzyme and Microbial Technology, 2016, 92, 86-93.	1.6	24
69	Engineering the xenobiotic substrate specificity of maize glutathione S-transferase I. Protein Engineering, Design and Selection, 2004, 17, 741-748.	1.0	23
70	Maintenance of metabolic homeostasis and induction of cytoprotectants and secondary metabolites in alachlor-treated GmGSTU4-overexpressing tobacco plants, as resolved by metabolomics. Plant Biotechnology Reports, 2015, 9, 287-296.	0.9	23
71	Plant Glutathione Transferases in Abiotic Stress Response and Herbicide Resistance. , 2017, , 215-233.		23
72	Dye-affinity labelling of bovine heart mitochondrial malate dehydrogenase and study of the NADH-binding site. Biochemical Journal, 1996, 315, 687-693.	1.7	22

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73	Active-site characterization of Candida boidinii formate dehydrogenase. Biochemical Journal, 2001, 354, 455.	1.7	22
74	Engineering substrate specificity of E. carotovora l-asparaginase for the development of biosensor. Journal of Molecular Catalysis B: Enzymatic, 2011, 72, 95-101.	1.8	22
75	Inhibition of human glutathione transferases by pesticides: Development of a simple analytical assay for the quantification of pesticides in water. Journal of Molecular Catalysis B: Enzymatic, 2012, 81, 43-51.	1.8	22
76	Genetic diversity and structure of Rhizobium leguminosarum populations associated with clover plants are influenced by local environmental variables. Systematic and Applied Microbiology, 2018, 41, 251-259.	1.2	22
77	The effect of dietary Chlorella vulgaris inclusion on goat's milk chemical composition, fatty acids profile and enzymes activities related to oxidation. Journal of Animal Physiology and Animal Nutrition, 2018, 102, 142-151.	1.0	22
78	Kinetic analysis of maize glutathione S-transferase I catalysing the detoxification from chloroacetanilide herbicides. Planta, 2005, 222, 91-97.	1.6	21
79	Biotherapeutic potential and mechanisms of action of colchicine. Critical Reviews in Biotechnology, 2017, 37, 1038-1047.	5.1	21
80	Engineering the pH-dependence of kinetic parameters of maize glutathione S-transferase I by site-directed mutagenesis. New Biotechnology, 2004, 21, 61-66.	2.7	20
81	Development of recombinant protein-based influenza vaccine. Journal of Chromatography A, 2006, 1136, 48-56.	1.8	20
82	2,2â€²-Dihydroxybenzophenones and their carbonyl N-analogues as inhibitor scaffolds for MDR-involved human glutathione transferase isoenzyme A1-1. Bioorganic and Medicinal Chemistry, 2014, 22, 3957-3970.	1.4	20
83	Molecular characterization, fitness and mycotoxin production of Fusarium graminearum laboratory strains resistant to benzimidazoles. Pesticide Biochemistry and Physiology, 2016, 128, 1-9.	1.6	20
84	Oxaloacetate Decarboxylase fromPseudomonas stutzeri:Purification and Characterization. Archives of Biochemistry and Biophysics, 1999, 365, 17-24.	1.4	19
85	A dehydrochlorinase-based pH change assay for determination of DDT in sprayed surfaces. Analytical Biochemistry, 2008, 378, 60-64.	1.1	19
86	The Pleiotropic Function of Human Sirtuins as Modulators of Metabolic Pathways and Viral Infections. Cells, 2021, 10, 460.	1.8	19
87	Interaction of l-glutamate oxidase with triazine dyes: selection of ligands for affinity chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 807, 277-285.	1.2	18
88	Investigation of the role of conserved residues Ser13, Asn48 and Pro49 in the catalytic mechanism of the tau class glutathione transferase from Glycine max. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 662-667.	1.1	18
89	The effect of dietary Chlorella pyrenoidosa inclusion on goats milk chemical composition, fatty acids profile and enzymes activities related to oxidation. Livestock Science, 2017, 197, 106-111.	0.6	18
90	Comparative analyses and evaluation of the cosmeceutical potential of selected Chlorella strains. Journal of Applied Phycology, 2017, 29, 179-188.	1.5	18

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91	Siteâ€saturation Mutagenesis: A Powerful Tool for Structureâ€Based Design of Combinatorial Mutation Libraries. Current Protocols in Protein Science, 2011, 63, Unit 26.6.	2.8	17
92	Structural and thermodynamic properties of kappa class glutathione transferase from Camelus dromedarius. International Journal of Biological Macromolecules, 2016, 88, 313-319.	3.6	17
93	One-step purification of Taq DNA polymerase using nucleotide-mimetic affinity chromatography. Biotechnology Journal, 2007, 2, 121-132.	1.8	16
94	Molecular and Biochemical Characterization of the Parvulin-Type PPIases in Lotus japonicus Â Â Â Â. Plant Physiology, 2009, 150, 1160-1173.	2.3	16
95	The glutathione transferase family of Chlamydomonas reinhardtii: Identification and characterization of novel sigma class-like enzymes. Algal Research, 2017, 24, 237-250.	2.4	16
96	Concluding the trilogy: The interaction of 2,2â€²â€dihydroxyâ€benzophenones and their carbonyl Nâ€analogues with human glutathione transferase M1â€1 face to face with the P1â€1 and A1â€1 isoenzymes involved in MDR. Chemical Biology and Drug Design, 2017, 90, 900-908.	1.5	16
97	Structure-based design and application of an engineered glutathione transferase for the development of an optical biosensor for pesticides determination. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 565-576.	1.1	16
98	Oxaloacetate Decarboxylase: On the Mode of Interaction with Substrate-Mimetic Affinity Ligands. Archives of Biochemistry and Biophysics, 1995, 321, 61-70.	1.4	15
99	Dye-Ligand Affinity Adsorbents for Enzyme Purification. Molecular Biotechnology, 2002, 20, 077-084.	1.3	15
100	Isoenzymeâ€and Allozymeâ€Specific Inhibitors: 2,2â€²â€Dihydroxybenzophenones and Their Carbonyl Nâ€Analogues that Discriminate between Human Glutathione Transferase A1â€1 and P1â€1 Allozymes. Chemical Biology and Drug Design, 2015, 86, 1055-1063.	1.5	15
101	Nucleotide-mimetic synthetic ligands for DNA-recognizing enzymes. Journal of Chromatography A, 2006, 1122, 63-75.	1.8	14
102	Chemical and Genetic Engineering Strategies to Improve the Potency of Pharmaceutical Proteins and Enzymes. Current Medicinal Chemistry, 2008, 15, 1940-1955.	1.2	14
103	Characterization of 1,2-dibromoethane-degrading haloalkane dehalogenase from Bradyrhizobium japonicum USDA110. Enzyme and Microbial Technology, 2009, 45, 397-404.	1.6	14
104	Design, synthesis and application of benzyl-sulfonate biomimetic affinity adsorbents for monoclonal antibody purification from transgenic corn. Journal of Molecular Recognition, 2014, 27, 19-31.	1.1	14
105	Cosmeceutical Properties of Two Cultivars of Red Raspberry Grown under Different Conditions. Cosmetics, 2018, 5, 20.	1.5	14
106	Structure-guided design of a novel class of benzyl-sulfonate inhibitors for influenza virus neuraminidase. Biochemical Journal, 2006, 399, 215-223.	1.7	13
107	Synthesis and Study of 2-(Pyrrolesulfonylmethyl)-N-arylimines: A New Class of Inhibitors for Human Glutathione Transferase A1-1. Journal of Medicinal Chemistry, 2012, 55, 6802-6813.	2.9	13
108	Glutathione transferase-mediated benzimidazole-resistance in Fusarium graminearum. Pesticide Biochemistry and Physiology, 2017, 141, 23-28.	1.6	13

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109	Tolerance of Transplastomic Tobacco Plants Overexpressing a Theta Class Glutathione Transferase to Abiotic and Oxidative Stresses. Frontiers in Plant Science, 2018, 9, 1861.	1.7	13
110	Comparative structural and functional analysis of phi class glutathione transferases involved in multiple-herbicide resistance of grass weeds and crops. Plant Physiology and Biochemistry, 2020, 149, 266-276.	2.8	13
111	Dye-Ligand Affinity Chromatography for Protein Separation and Purification. Methods in Molecular Biology, 2000, 147, 129-139.	0.4	13
112	Effect of soya bean and fish oil inclusion in diets on milk and plasma enzymes from sheep and goat related to oxidation. Journal of Animal Physiology and Animal Nutrition, 2017, 101, 733-742.	1.0	12
113	Expanding the Plant GSTome Through Directed Evolution: DNA Shuffling for the Generation of New Synthetic Enzymes With Engineered Catalytic and Binding Properties. Frontiers in Plant Science, 2018, 9, 1737.	1.7	12
114	Biomimetic dye-ligands for oxalate-recognizing enzymes. Studies with oxalate oxidase and oxalate decarboxylase. Journal of Biotechnology, 1995, 40, 59-70.	1.9	11
115	S-(2,3-Dichlorotriazinyl)glutathione. FEBS Journal, 2004, 271, 3503-3511.	0.2	11
116	Combinatorial de novo design and application of a biomimetic affinity ligand for the purification of human antiâ€HIV mAb 4E10 from transgenic tobacco. Journal of Molecular Recognition, 2009, 22, 415-424.	1.1	11
117	Structure and Antioxidant Catalytic Function of Plant Glutathione Transferases. Current Chemical Biology, 2011, 5, 64-74.	0.2	11
118	Structure-based design and application of a nucleotide coenzyme mimetic ligand: Application to the affinity purification of nucleotide dependent enzymes. Journal of Chromatography A, 2018, 1535, 88-100.	1.8	11
119	Editorial: Plant Glutathione Transferases: Diverse, Multi-Tasking Enzymes With Yet-to-Be Discovered Functions. Frontiers in Plant Science, 2019, 10, 1304.	1.7	11
120	Overexpression of A Biotic Stress-Inducible Pvgstu Gene Activates Early Protective Responses in Tobacco under Combined Heat and Drought. International Journal of Molecular Sciences, 2021, 22, 2352.	1.8	10
121	Plant Glutathione Transferases: Structure, Antioxidant Catalytic Function and in planta Protective Role in Biotic and Abiotic Stress. Current Chemical Biology, 2015, 8, 58-75.	0.2	10
122	Characterization of two novel nodule-enhanced Î±-type carbonic anhydrases from Lotus japonicus. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 496-504.	1.1	9
123	Structure, Evolution and Functional Roles of Plant Glutathione Transferases. , 2017, , 195-213.		9
124	The Interaction of Schistosoma Japonicum Glutathione Transferase with Cibacron Blue 3GA and its Fragments. Medicinal Chemistry, 2021, 17, 332-343.	0.7	9
125	Comparative Analysis of Two Stress-Inducible tau Class Glutathione Transferases from Glycine max Revealed Significant Catalytic and Structural Diversification. Protein and Peptide Letters, 2018, 24, 922-935.	0.4	9
126	Improved purification of Candida boidinii formate dehydrogenase. , 2000, 9, 99-104.		8

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127	Designer Xanthone: An Inhibitor Scaffold for MDR-Involved Human Glutathione Transferase Isoenzyme A1-1. Journal of Biomolecular Screening, 2013, 18, 1092-1102.	2.6	8
128	Molecular diversity and phylogeny of indigenous Rhizobium leguminosarum strains associated with Trifolium repens plants in Romania. Antonie Van Leeuwenhoek, 2018, 111, 135-153.	0.7	8
129	Monomeric Camelus dromedarius GSTM1 at low pH is structurally more thermostable than its native dimeric form. PLoS ONE, 2018, 13, e0205274.	1.1	8
130	Delineation of the functional and structural properties of the glutathione transferase family from the plant pathogen Erwinia carotovora. Functional and Integrative Genomics, 2019, 19, 1-12.	1.4	8
131	Effect of different factors on regeneration and transformation efficiency of tomato (Lycopersicum) Tj ETQq1 1 0.784314 rgBT /Overlock	0.4	8
132	Sesame Meal, Vitamin E and Selenium Influence Goatsâ€™ Antioxidant Status. Antioxidants, 2021, 10, 392.	2.2	8
133	Determination of Half-Maximal Inhibitory Concentration of an Enzyme Inhibitor. Methods in Molecular Biology, 2020, 2089, 41-46.	0.4	8
134	Solâ€“gel immobilization of haloalkane dehalogenase from Bradyrhizobium japonicum for the remediation 1,2-dibromoethane. Journal of Molecular Catalysis B: Enzymatic, 2013, 97, 5-11.	1.8	7
135	Biochemical Characterization of the Detoxifying Enzyme Glutathione Transferase P1-1 from the Camel Camelus Dromedarius. Cell Biochemistry and Biophysics, 2016, 74, 459-472.	0.9	7
136	Preserving enzymatic activity and enhancing biochemical stability of glutathione transferase by soluble additives under free and tethered conditions. Biotechnology and Applied Biochemistry, 2017, 64, 754-764.	1.4	7
137	Ligand-induced glutathione transferase degradation as a therapeutic modality: Investigation of a new metal-mediated affinity cleavage strategy for human GSTP1-1. International Journal of Biological Macromolecules, 2018, 116, 84-90.	3.6	7
138	The Interaction of the Flavonoid Fisetin with Human Glutathione Transferase A1-1. Metabolites, 2021, 11, 190.	1.3	7
139	A Microplate-based Platform with Immobilized Human Glutathione Transferase A1-1 for High-throughput Screening of Plant-origin Inhibitors. Current Pharmaceutical Biotechnology, 2018, 19, 925-931.	0.9	7
140	Simultaneous purification of L-malate dehydrogenase and L-lactate dehydrogenase from bovine heart by biomimetic-dye affinity chromatography. Bioprocess and Biosystems Engineering, 1997, 16, 157.	0.5	6
141	Structure-activity studies on cysteine-substituted neurokinin A analogsâ˜†. Peptides, 1999, 20, 795-801.	1.2	6
142	Development of a colourimetric pH assay for the quantification of pyrethroids based on glutathione-S-transferase. International Journal of Environmental Analytical Chemistry, 2010, 90, 922-933.	1.8	6
143	Extracellular expression and affinity purification of L-asparaginase from E. chrysanthemi in E. coli. Sustainable Chemical Processes, 2014, 2, .	2.3	6
144	Glutathione analogues as substrates or inhibitors that discriminate between allozymes of the MDRâ€involved human glutathione transferase P1â€1. Biopolymers, 2016, 106, 330-344.	1.2	6

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145	Delineation of the structural and functional role of Arg111 in GSTU4-4 from Glycine max by chemical modification and site-directed mutagenesis. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2016, 1864, 1315-1321.	1.1	6
146	Affinity Chromatography. , 2002, , 16-28.		6
147	The Interaction of the Microtubule Targeting Anticancer Drug Colchicine with Human Glutathione Transferases. Current Pharmaceutical Design, 2020, 26, 5205-5212.	0.9	6
148	Cytochrome P450 102A2 Catalyzes Efficient Oxidation of Sodium Dodecyl Sulphate: A Molecular Tool for Remediation. Enzyme Research, 2010, 2010, 1-7.	1.8	5
149	Protein Downstream Processing. Methods in Molecular Biology, 2014, , .	0.4	5
150	Reduce, Reuse and Recycle in Protein Chromatography: Development of an Affinity Adsorbent from Waste Paper and Its Application for the Purification of Proteases from Fish By-Products. Biomolecules, 2020, 10, 822.	1.8	5
151	Development of Staphylococcus Enzybiotics: The Ph28 Gene of Staphylococcus epidermidis Phage PH15 Is a Two-Domain Endolysin. Antibiotics, 2020, 9, 148.	1.5	5
152	Conserved Amino Acid Residues that Affect Structural Stability of Candida boidinii Formate Dehydrogenase. Applied Biochemistry and Biotechnology, 2021, 193, 363-376.	1.4	5
153	Evaluation of the Nutraceutical and Cosmeceutical Potential of Two Cultivars of Rubus fruticosus L. under Different Cultivation Conditions. Current Pharmaceutical Biotechnology, 2018, 18, 890-899.	0.9	5
154	Directed Evolution of Phi Class Glutathione Transferases Involved in Multiple-Herbicide Resistance of Grass Weeds and Crops. International Journal of Molecular Sciences, 2022, 23, 7469.	1.8	5
155	Affinity labeling of oxaloacetate decarboxylase by novel dichlorotriazine linked alpha-ketoacids. The Protein Journal, 1999, 18, 729-733.	1.1	4
156	Dye Affinity Labelling of Yeast Alcohol Dehydrogenase. Journal of Enzyme Inhibition and Medicinal Chemistry, 2000, 15, 487-496.	0.5	4
157	A new colorimetric assay for glutathione transferase-catalyzed halogen ion release for high-throughput screening. Analytical Biochemistry, 2010, 405, 201-206.	1.1	4
158	The Interaction of Human Glutathione Transferase GSTA1-1 with Reactive Dyes. Molecules, 2021, 26, 2399.	1.7	4
159	Structural and Functional Role of Gly281 in L-asparaginase from Erwinia carotovora. Protein and Peptide Letters, 2013, 20, 1302-1307.	0.4	4
160	Protein Purification Technologies. Methods in Molecular Biology, 2021, 2178, 3-10.	0.4	4
161	Synthesis and Application of Dye-Ligand Affinity Adsorbents. Methods in Molecular Biology, 2014, 1129, 263-276.	0.4	3
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