Philip G Board

List of Publications by Year
in descending order

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178 papers	9,457 citations	30070 54 h-index	43889 91 g-index
180 all docs	180 docs citations	180 times ranked	7870 citing authors

#	Article	IF	Citations
1	Identification, Characterization, and Crystal Structure of the Omega Class Glutathione Transferases. Journal of Biological Chemistry, 2000, 275, 24798-24806.	3.4	625
2	Structure Determination and Refinement of Human Alpha Class Glutathione Transferase A1-1, and a Comparison with the Mu and Pi Class Enzymes. Journal of Molecular Biology, 1993, 232, 192-212.	4.2	453
3	Glutathione transferases, regulators of cellular metabolism and physiology. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 3267-3288.	2.4	317
4	Parkinson's disease, pesticides, and glutathione transferase polymorphisms. Lancet, The, 1998, 352, 1344-1346.	13.7	303
5	An efficient system for high-level expression and easy purification of authentic recombinant proteins. Protein Science, 2004, 13, 1331-1339.	7.6	266
6	Nomenclature for Mammalian Soluble Glutathione Transferases. Methods in Enzymology, 2005, 401, 1-8.	1.0	263
7	The Glutathione Transferase Structural Family Includes a Nuclear Chloride Channel and a Ryanodine Receptor Calcium Release Channel Modulator. Journal of Biological Chemistry, 2001, 276, 3319-3323.	3.4	248
8	Reversal of the glycolytic phenotype by dichloroacetate inhibits metastatic breast cancer cell growth in vitro and in vivo. Breast Cancer Research and Treatment, 2010, 120, 253-260.	2.5	204
9	Human Monomethylarsonic Acid (MMAV) Reductase Is a Member of the Glutathione-S-transferase Superfamily. Chemical Research in Toxicology, 2001, 14, 1051-1057.	3.3	203
10	Characterization of the Omega Class of Glutathione Transferases. Methods in Enzymology, 2005, 401, 78-99.	1.0	188
11	Structural analysis of human alpha-class glutathione transferase A1-1 in the apo-form and in complexes with ethacrynic acid and its glutathione conjugate. Structure, 1995, 3, 717-727.	3.3	186
12	Characterization of the human Omega class glutathione transferase genes and associated polymorphisms. Pharmacogenetics and Genomics, 2003, 13, 131-144.	5.7	162
13	The human ubiquitin gene family: structure of a gene and pseudogenes from the Ub B subfamily. Nucleic Acids Research, 1987, 15, 443-463.	14.5	158
14	Human theta class glutathione transferase: the crystal structure reveals a sulfate-binding pocket within a buried active site. Structure, 1998, 6, 309-322.	3.3	147
15	Characterization of the monomethylarsonate reductase and dehydroascorbate reductase activities of Omega class glutathione transferase variants: implications for arsenic metabolism and the age-at-onset of Alzheimer's and Parkinson's diseases. Pharmacogenetics and Genomics, 2005, 15, 493-501.	1.5	143
16	The human ubiquitin-52 amino acid fusion protein gene shares several structural features with mammalian ribosomal protein genes. Nucleic Acids Research, 1991, 19, 1035-1040.	14.5	135
17	Glutathione transferase Zeta catalyses the oxygenation of the carcinogen dichloroacetic acid to glyoxylic acid. Biochemical Journal, 1998, 331, 371-374.	3.7	134
18	Crystal Structure of Maleylacetoacetate Isomerase/Glutathione Transferase Zeta Reveals the Molecular Basis for Its Remarkable Catalytic Promiscuityâ€‚â€¡. Biochemistry, 2001, 40, 1567-1576.	2.5	119

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19	Transport of glutathioneS-conjugate from human erythrocytes. FEBS Letters, 1981, 124, 163-165.	2.8	115
20	Using Deubiquitylating Enzymes as Research Tools. Methods in Enzymology, 2005, 398, 540-554.	1.0	114
21	Glutathione Transferase Zeta-Catalyzed Biotransformation of Dichloroacetic Acid and Other Î±-Haloacids. Chemical Research in Toxicology, 1998, 11, 1332-1338.	3.3	112
22	The Identification and Structural Characterization of C7orf24 as Î³-Glutamyl Cyclotransferase. Journal of Biological Chemistry, 2008, 283, 22031-22042.	3.4	110
23	Mutation of an evolutionarily conserved tyrosine residue in the active site of a human class Alpha glutathione transferase. FEBS Letters, 1991, 293, 153-155.	2.8	108
24	A Role for Glutathione Transferase Omega 1 (GSTO1-1) in the Glutathionylation Cycle. Journal of Biological Chemistry, 2013, 288, 25769-25779.	3.4	104
25	Alphavirus 6K Proteins Form Ion Channels. Journal of Biological Chemistry, 2002, 277, 46923-46931.	3.4	102
26	Discovery of a functional polymorphism in human glutathione transferase zeta by expressed sequence tag database analysis. Pharmacogenetics and Genomics, 2000, 10, 49-57.	5.7	101
27	Targeting metabolism with arsenic trioxide and dichloroacetate in breast cancer cells. Molecular Cancer, 2011, 10, 142.	19.2	101
28	Structure and organization of the human Theta-class glutathione S-transferase and d-dopachrome tautomerase gene complex. Biochemical Journal, 1998, 334, 617-623.	3.7	90
29	Modelling and bioinformatics studies of the human Kappa-class glutathione transferase predict a novel third glutathione transferase family with similarity to prokaryotic 2-hydroxychromene-2-carboxylate isomerases. Biochemical Journal, 2004, 379, 541-552.	3.7	89
30	The omega-class glutathione transferases: structure, function, and genetics. Drug Metabolism Reviews, 2011, 43, 226-235.	3.6	89
31	Polymorphism- and Species-Dependent Inactivation of Glutathione Transferase Zeta by Dichloroacetate. Chemical Research in Toxicology, 2000, 13, 231-236.	3.3	88
32	From glutathione transferase to pore in a CLIC. European Biophysics Journal, 2002, 31, 356-364.	2.2	85
33	An X-linked channelopathy with cardiomegaly due to a CLIC2 mutation enhancing ryanodine receptor channel activity. Human Molecular Genetics, 2012, 21, 4497-4507.	2.9	84
34	Skeletal muscle excitationâ€“contraction coupling: Who are the dancing partners?. International Journal of Biochemistry and Cell Biology, 2014, 48, 28-38.	2.8	78
35	CLIC-2 modulates cardiac ryanodine receptor Ca2+ release channels. International Journal of Biochemistry and Cell Biology, 2004, 36, 1599-1612.	2.8	74
36	Deficiency of Glutathione Transferase Zeta Causes Oxidative Stress and Activation of Antioxidant Response Pathways. Molecular Pharmacology, 2006, 69, 650-657.	2.3	74

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37	Expression of an enzymatically active parasite molecule in Escherichia coli: Schistosoma japonicum glutathione S-transferase. Molecular and Biochemical Parasitology, 1988, 27, 249-256.	1.1	72
38	Purification and characterization of a recombinant human Theta-class glutathione transferase (GSTT2-2). Biochemical Journal, 1996, 315, 727-732.	3.7	70
39	Immunohistochemistry of Omega Class Glutathione S-Transferase in Human Tissues. Journal of Histochemistry and Cytochemistry, 2001, 49, 983-987.	2.5	70
40	Mutagenesis of the active site of the human Theta-class glutathione transferase GSTT2-2: catalysis with different substrates involves different residues. Biochemical Journal, 1996, 319, 315-321.	3.7	68
41	Catalytic Mechanism and Role of Hydroxyl Residues in the Active Site of Theta Class Glutathione S-Transferases. Journal of Biological Chemistry, 1997, 272, 29681-29686.	3.4	68
42	Inactivation of Glutathione Transferase Zeta by Dichloroacetic Acid and Other Fluorine-Lacking Î±-Haloalkanoic Acids. Chemical Research in Toxicology, 1999, 12, 1144-1149.	3.3	67
43	Structure of the Janus Protein Human CLIC2. Journal of Molecular Biology, 2007, 374, 719-731.	4.2	64
44	Mice Deficient in Glutathione Transferase Zeta/Maleylacetoacetate Isomerase Exhibit a Range of Pathological Changes and Elevated Expression of Alpha, Mu, and Pi Class Glutathione Transferases. American Journal of Pathology, 2004, 165, 679-693.	3.8	63
45	Glutathione Transferase Omega 1 Catalyzes the Reduction ofS-(Phenacyl)glutathiones to Acetophenones. Chemical Research in Toxicology, 2007, 20, 149-154.	3.3	62
46	Glutathione transferase Omega 1 is required for the lipopolysaccharide-stimulated induction of NADPH oxidase 1 and the production of reactive oxygen species in macrophages. Free Radical Biology and Medicine, 2014, 73, 318-327.	2.9	62
47	Functional characterisation of ganglioside-induced differentiation-associated protein 1 as a glutathione transferase. Biochemical and Biophysical Research Communications, 2006, 347, 859-866.	2.1	61
48	Prognostic value of LINE-1 retrotransposon expression and its subcellular localization in breast cancer. Breast Cancer Research and Treatment, 2012, 136, 129-142.	2.5	61
49	Functional significance of arginine 15 in the active site of human class alpha glutathione transferase A1-1. Journal of Molecular Biology, 1995, 247, 765-773.	4.2	60
50	Structural Insights into the Dehydroascorbate Reductase Activity of Human Omega-Class Glutathione Transferases. Journal of Molecular Biology, 2012, 420, 190-203.	4.2	60
51	Glutathione Transferase Omega-1 Regulates NLRP3 Inflammasome Activation through NEK7 Deglutathionylation. Cell Reports, 2019, 29, 151-161.e5.	6.4	58
52	A Semisynthetic Glutathione Peroxidase with High Catalytic Efficiency. Chemistry and Biology, 2002, 9, 789-794.	6.0	56
53	A recently identified member of the glutathione transferase structural family modifies cardiac RyR2 substate activity, coupled gating and activation by Ca2+ and ATP. Biochemical Journal, 2005, 390, 333-343.	3.7	56
54	GSTO1-1 modulates metabolism in macrophages activated through the LPS and TLR4 pathway. Journal of Cell Science, 2015, 128, 1982-1990.	2.0	55

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55	Proton release on binding of glutathione to Alpha, Mu and Delta class glutathione transferases. Biochemical Journal, 1999, 344, 419-425.	3.7	54
56	Identification of the Apical Membrane-targeting Signal of the Multidrug Resistance-associated Protein 2 (MRP2/cMOAT). Journal of Biological Chemistry, 2001, 276, 20876-20881.	3.4	54
57	Structure, function and disease relevance of Omega-class glutathione transferases. Archives of Toxicology, 2016, 90, 1049-1067.	4.2	54
58	Human Glutathione Transferase Zeta. Methods in Enzymology, 2005, 401, 61-77.	1.0	52
59	GSTZ1d: a new allele of glutathione transferase zeta and maleylacetoacetate isomerase. Pharmacogenetics and Genomics, 2001, 11, 671-678.	5.7	49
60	Polymorphism of human Alpha class glutathione transferases. Pharmacogenetics and Genomics, 2001, 11, 609-617.	5.7	47
61	A dihydropyridine receptor Î±1s loop region critical for skeletal muscle contraction is intrinsically unstructured and binds to a SPRY domain of the type 1 ryanodine receptor. International Journal of Biochemistry and Cell Biology, 2009, 41, 677-686.	2.8	47
62	Dichloroacetate Prevents Cisplatin-Induced Nephrotoxicity without Compromising Cisplatin Anticancer Properties. Journal of the American Society of Nephrology: JASN, 2016, 27, 3331-3344.	6.1	47
63	GSTO1-1 plays a pro-inflammatory role in models of inflammation, colitis and obesity. Scientific Reports, 2017, 7, 17832.	3.3	47
64	Structure and organization of the human alpha class glutathione S -transferase genes and related pseudogenes. Genomics, 1993, 18, 680-686.	2.9	45
65	S-(4-Nitrophenacyl)glutathione is a specific substrate for glutathione transferase omega 1-1. Analytical Biochemistry, 2008, 374, 25-30.	2.4	44
66	Clarification of the role of key active site residues of glutathione transferase Zeta/maleylacetoacetate isomerase by a new spectrophotometric technique. Biochemical Journal, 2003, 374, 731-737.	3.7	41
67	Polymorphism of glutathione transferase Omega 1 in a population exposed to a high environmental arsenic burden. Pharmacogenetics and Genomics, 2008, 18, 1-10.	1.5	40
68	NADH-ferricyanide reductase, a convenient approach to the evaluation of nadh-methaemoglobin reductase in human erythrocytes. Clinica Chimica Acta, 1981, 109, 233-237.	1.1	37
69	Erythrocyte membrane transport of glutathione conjugates and oxidized glutathione in the dubin-johnson syndrome and in rats with hereditary hyperbilirubinemia. Hepatology, 1992, 15, 722-725.	7.3	37
70	?1Acid glycoprotein expression in human leukocytes: Possible correlation between ?1-acid glycoprotein and inflammatory cytokines in rheumatoid arthritis. Inflammation, 1993, 17, 33-45.	3.8	37
71	S-Glutathionyl-(chloro)hydroquinone reductases: a novel class of glutathione transferases. Biochemical Journal, 2010, 428, 419-427.	3.7	37
72	The Î²1a Subunit of the Skeletal DHPR Binds to Skeletal RyR1 and Activates the Channel via Its 35-Residue C-Terminal Tail. Biophysical Journal, 2011, 100, 922-930.	0.5	36

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73	Structural Insights into Omega-Class Glutathione Transferases: A Snapshot of Enzyme Reduction and Identification of a Non-Catalytic Ligandin Site. PLoS ONE, 2013, 8, e60324.	2.5	36
74	Gene structure, expression and chromosomal localization of murine Theta class glutathione transferase mGSTT1-1. Biochemical Journal, 1999, 337, 141-151.	3.7	35
75	Identification and Characterization of Î³-Glutamylamine Cyclotransferase, an Enzyme Responsible for Î³-Glutamyl-Ïµ-lysine Catabolism. Journal of Biological Chemistry, 2010, 285, 9642-9648.	3.4	33
76	Solution structure of the TLR adaptor MAL/TIRAP reveals an intact BB loop and supports MAL Cys91 glutathionylation for signaling. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6480-E6489.	7.1	33
77	A structurally derived consensus pattern for theta class glutathione transferases. Protein Engineering, Design and Selection, 1996, 9, 327-332.	2.1	32
78	Redox Potential and the Response of Cardiac Ryanodine Receptors to CLIC-2, a Member of the Glutathione S-Transferase Structural Family. Antioxidants and Redox Signaling, 2008, 10, 1675-1686.	5.4	32
79	Structure and characterisation of a duplicated human Î±1 acid glycoprotein gene. Gene, 1988, 66, 97-106.	2.2	31
80	Glutathione S-transferase omega in the lung and sputum supernatants of COPD patients. Respiratory Research, 2007, 8, 48.	3.6	31
81	The Impact of Nitric Oxide Toxicity on the Evolution of the Glutathione Transferase Superfamily. Journal of Biological Chemistry, 2013, 288, 24936-24947.	3.4	31
82	Mass Spectral Characterization of Dichloroacetic Acid-Modified Human Glutathione Transferase Zeta. Chemical Research in Toxicology, 2002, 15, 1387-1397.	3.3	30
83	Immunohistochemical Localization and Activity of Glutathione Transferase Zeta (GSTZ1â€“1) in Rat Tissues. Drug Metabolism and Disposition, 2002, 30, 616-625.	3.3	29
84	Glutathione Transferase P1. American Journal of Respiratory and Critical Care Medicine, 2008, 178, 1202-1210.	5.6	29
85	Regulation of the cardiac muscle ryanodine receptor by glutathione transferases. Drug Metabolism Reviews, 2011, 43, 236-252.	3.6	29
86	Crystallization of GST2, a human class alpha glutathione transferase. Journal of Molecular Biology, 1989, 208, 369-370.	4.2	26
87	Î³-Glutamylcyclotransferase as a novel immunohistochemical biomarker for the malignancy of esophageal squamous tumors. Human Pathology, 2014, 45, 331-341.	2.0	26
88	Alkylation and Inactivation of Human Glutathione Transferase Zeta (hGSTZ1-1) by Maleylacetone and Fumarylacetone. Chemical Research in Toxicology, 2002, 15, 707-716.	3.3	25
89	The Mu class glutathione transferase is abundant in striated muscle and is an isoform-specific regulator of ryanodine receptor calcium channels. Cell Calcium, 2007, 41, 429-440.	2.4	25
90	Glutathione transferase kappa deficiency causes glomerular nephropathy without overt oxidative stress. Laboratory Investigation, 2011, 91, 1572-1583.	3.7	25

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91	Reduction of Benzoquinones to Hydroquinones via Spontaneous Reaction with Glutathione and Enzymatic Reaction by S-Glutathionyl-Hydroquinone Reductases. Biochemistry, 2012, 51, 5014-5021.	2.5	25
92	Helicobacter pylori induces somatic mutations in <scp>TP</scp>53 via overexpression of <scp>CHAC</scp>1 in infected gastric epithelial cells. FEBS Open Bio, 2018, 8, 671-679.	2.3	25
93	Glyoxalase 2 deficiency in the erythrocytes of a horse: 1H NMR studies of enzyme kinetics and transport of S-lactoylglutathione. Archives of Biochemistry and Biophysics, 1991, 291, 291-299.	3.0	24
94	Deletion of Glu155 causes a deficiency of glutathione transferase Omega 1-1 but does not alter sensitivity to arsenic trioxide and other cytotoxic drugs. International Journal of Biochemistry and Cell Biology, 2008, 40, 2553-2559.	2.8	24
95	Novel Folding and Stability Defects Cause a Deficiency of Human Glutathione Transferase Omega 1. Journal of Biological Chemistry, 2011, 286, 4271-4279.	3.4	24
96	A novel selenium-containing glutathione transferase zeta1-1, the activity of which surpasses the level of some native glutathione peroxidases. International Journal of Biochemistry and Cell Biology, 2008, 40, 2090-2097.	2.8	23
97	A fluorometric method to quantify protein glutathionylation using glutathione derivatization with 2,3-naphthalenedicarboxaldehyde. Analytical Biochemistry, 2013, 433, 132-136.	2.4	23
98	Testosterone regulation of cyclin E kinase: A key factor in determining gender differences in hepatocarcinogenesis. Journal of Gastroenterology and Hepatology (Australia), 2016, 31, 1210-1219.	2.8	23
99	A Systematic Review of Serum Î³-Glutamyltransferase as a Prognostic Biomarker in Patients with Genitourinary Cancer. Antioxidants, 2021, 10, 549.	5.1	23
100	Evolution of human Î±1-acid glycoprotein genes and surrounding Alu repeats. Genomics, 1990, 6, 659-665.	2.9	22
101	Shifting Substrate Specificity of Human Glutathione Transferase (from Class Pi to Class Alpha) by a Single Point Mutation. Biochemical and Biophysical Research Communications, 1998, 252, 184-189.	2.1	22
102	The use of glutathione transferase-knockout mice as pharmacological and toxicological models. Expert Opinion on Drug Metabolism and Toxicology, 2007, 3, 421-433.	3.3	22
103	Polymorphisms in the human glutathione transferase Kappa (GSTK1) promoter alter gene expression. Genomics, 2010, 95, 299-305.	2.9	21
104	Glutathione transferase zeta: discovery, polymorphic variants, catalysis, inactivation, and properties ofGstz1^{â^'/â^'}mice. Drug Metabolism Reviews, 2011, 43, 215-225.	3.6	21
105	Identification of an essential cysteine residue in human glutathione synthase. Biochemical Journal, 1997, 321, 207-210.	3.7	19
106	Functional polymorphism of human glutathione transferase A3. Pharmacogenetics and Genomics, 2004, 14, 657-663.	5.7	19
107	Transport of glutathione transferase-fold structured proteins into living cells. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 676-685.	2.6	19
108	Polymorphism of phase II enzymes: identification of new enzymes and polymorphic variants by database analysis. Toxicology Letters, 1998, 102-103, 149-154.	0.8	18

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109	Identification and characterization of two missense mutations causing factor XIIIA deficiency. British Journal of Haematology, 1999, 104, 37-43.	2.5	18
110	Dissection of the inhibition of cardiac ryanodine receptors by human glutathione transferase GSTM2-2. Biochemical Pharmacology, 2009, 77, 1181-1193.	4.4	18
111	An Î±â€helical Câ€terminal tail segment of the skeletal Lâ€type Ca 2+ channel Î² 1a subunit activates ryanodine receptor type 1 via a hydrophobic surface. FASEB Journal, 2012, 26, 5049-5059.	0.5	18
112	Mapping of class alpha glutathione S-transferase 2 (Gst-2) genes to the vicinity of the d locus on mouse chromosome 9. Genomics, 1990, 8, 90-96.	2.9	17
113	GSTO1â€1 is an upstream suppressor of M2 macrophage skewing and HIFâ€1Î±â€induced eosinophilic airway inflammation. Clinical and Experimental Allergy, 2020, 50, 609-624.	2.9	17
114	Binding and Kinetic Mechanisms of the Zeta Class Glutathione Transferase. Journal of Biological Chemistry, 2004, 279, 33336-33342.	3.4	16
115	STRUCTURAL AND FUNCTIONAL CHARACTERIZATION OF INTERACTIONS BETWEEN THE DIHYDROPYRIDINE RECEPTOR II?III LOOP AND THE RYANODINE RECEPTOR. Clinical and Experimental Pharmacology and Physiology, 2006, 33, 1114-1117.	1.9	15
116	Identification and characterisation of new inhibitors for the human hematopoietic prostaglandin D 2 synthase. European Journal of Medicinal Chemistry, 2010, 45, 447-454.	5.5	15
117	Widespread Expression of Î³-Glutamyl Cyclotransferase Suggests It Is Not a General Tumor Marker. Journal of Histochemistry and Cytochemistry, 2012, 60, 76-86.	2.5	15
118	Crystallization and preliminary X-ray diffraction studies of a glutathione S-Transferase from the Australian sheep blowfly, Lucilia cuprina. Journal of Molecular Biology, 1994, 236, 1407-1409.	4.2	14
119	3D Mapping of the SPRY2 Domain of Ryanodine Receptor 1 by Single-Particle Cryo-EM. PLoS ONE, 2011, 6, e25813.	2.5	14
120	Reviewing Hit Discovery Literature for Difficult Targets: Glutathione Transferase Omega-1 as an Example. Journal of Medicinal Chemistry, 2018, 61, 7448-7470.	6.4	14
121	Phenylalanine-induced leucopenia in genetic and dichloroacetic acid generated deficiency of glutathione transferase Zeta. Biochemical Pharmacology, 2009, 77, 1358-1363.	4.4	13
122	The structure of the C-terminal helical bundle in glutathione transferase M2-2 determines its ability to inhibit the cardiac ryanodine receptor. Biochemical Pharmacology, 2010, 80, 381-388.	4.4	13
123	A Structural Basis for Cellular Uptake of GST-Fold Proteins. PLoS ONE, 2011, 6, e17864.	2.5	13
124	The elusive role of the SPRY2 domain in RyR1. Channels, 2011, 5, 148-160.	2.8	13
125	CHAC1 overexpression in human gastric parietal cells with Helicobacter pylori infection in the secretory canaliculi. Helicobacter, 2019, 24, e12598.	3.5	13
126	Nudeotide sequence of a human ubiquhin Ub B processed pseudogene. Nucleic Acids Research, 1987, 15, 4352-4352.	14.5	12

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127	Glutathione Transferase Zeta-Catalyzed Biotransformation of Deuterated Dihaloacetic Acids. Biochemical and Biophysical Research Communications, 1999, 261, 779-783.	2.1	12
128	Kinetics of the Biotransformation of Maleylacetone and Chlorofluoroacetic Acid by Polymorphic Variants of Human Glutathione Transferase Zeta (hGSTZ1-1). Chemical Research in Toxicology, 2002, 15, 957-963.	3.3	12
129	Cyclization of the Intrinsically Disordered Î±1S Dihydropyridine Receptor II-III Loop Enhances Secondary Structure and in Vitro Function. Journal of Biological Chemistry, 2011, 286, 22589-22599.	3.4	12
130	FKBP association with RyR channels: effect of CLIC2 binding on sub-conductance opening and FKBP binding. Journal of Cell Science, 2017, 130, 3588-3600.	2.0	12
131	Development of Benzenesulfonamide Derivatives as Potent Glutathione Transferase Omega-1 Inhibitors. Journal of Medicinal Chemistry, 2020, 63, 2894-2914.	6.4	12
132	Application of HUMF13A01 (AAAG)n STR Polymorphism to the Genetic Diagnosis of Coagulation Factor XIII Deficiency. Thrombosis and Haemostasis, 1996, 76, 0879-0882.	3.4	12
133	A SINGLE Î±-GLOBIN GENE DELETION IN AUSTRALIAN ABORIGINES. The Australian Journal of Experimental Biology and Medical Science, 1986, 64, 297-306.	0.7	11
134	Human Glutathione Transferase T2-2 Discloses Some Evolutionary Strategies for Optimization of the Catalytic Activity of Glutathione Transferases. Journal of Biological Chemistry, 2001, 276, 5432-5437.	3.4	11
135	Muscle-specific GSTM2-2 on the luminal side of the sarcoplasmic reticulum modifies RyR ion channel activity. International Journal of Biochemistry and Cell Biology, 2008, 40, 1616-1628.	2.8	11
136	A fluorescence-based microtiter plate assay for Î³-glutamylcyclotransferase. Analytical Biochemistry, 2012, 420, 177-181.	2.4	11
137	Do the major human glutathioneS-transferases have fatty acid ethyl ester synthase activity?. FEBS Letters, 1990, 275, 58-60.	2.8	10
138	Glutathione Transferase Zeta-Catalyzed Bioactivation of Dichloroacetic Acid:Â Reaction of Glyoxylate with Amino Acid Nucleophiles. Chemical Research in Toxicology, 2004, 17, 650-662.	3.3	10
139	Expression of selenocysteine-containing glutathione S-transferase in eukaryote. Protein Expression and Purification, 2012, 84, 59-63.	1.3	10
140	The inhibitory glutathione transferase M2-2 binding site is located in divergent region 3 of the cardiac ryanodine receptor. Biochemical Pharmacology, 2012, 83, 1523-1529.	4.4	10
141	An improved method for mapping recombinant Î» phage clones. Nucleic Acids Research, 1988, 16, 1198-1198.	14.5	9
142	The human ubiquitin/52-residue ribosomal protein fusion gene subfamily (UbA52) is composed primarily of processed pseudogenes. Genomics, 1992, 14, 520-522.	2.9	9
143	Impact of Serum Î³-Glutamyltransferase on Overall Survival in Patients with Metastatic Renal Cell Carcinoma in the Era of Targeted Therapy. Targeted Oncology, 2020, 15, 347-356.	3.6	9
144	Biochemical characterisation of genetically variant and abnormal blood coagulation factor XIII A subunits. Clinica Chimica Acta, 1983, 133, 141-151.	1.1	8

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145	Inhibition of erythrocyte glutathione conjugate transport by polyethoxylated surfactants. FEBS Letters, 1993, 315, 298-300.	2.8	8
146	Expression, purification, crystallization and preliminary X-ray diffraction analysis of chloride intracellular channel 2 (CLIC2). Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 961-963.	0.7	8
147	Dichloroacetic acid up-regulates hepatic glutathione synthesis via the induction of glutamateâ€“cysteine ligase. Biochemical Pharmacology, 2012, 83, 427-433.	4.4	8
148	Glutathione transferase M2 variants inhibit ryanodine receptor function in adult mouse cardiomyocytes. Biochemical Pharmacology, 2015, 97, 269-280.	4.4	8
149	Photoreceptor Survival Is Regulated by GSTO1-1 in the Degenerating Retina. , 2018, 59, 4362.		8
150	Structural and biophysical analyses of the skeletal dihydropyridine receptor Î² subunit Î²1a reveal critical roles of domain interactions for stability. Journal of Biological Chemistry, 2017, 292, 8401-8411.	3.4	7
151	Physiology and Pharmacology of Ryanodine Receptor Calcium Release Channels. Advances in Pharmacology, 2017, 79, 287-324.	2.0	7
152	The GSTM2 C-Terminal Domain Depresses Contractility and Ca2+ Transients in Neonatal Rat Ventricular Cardiomyocytes. PLoS ONE, 2016, 11, e0162415.	2.5	7
153	Identification of a new mutation (Gly420Ser), distal to the active site, that leads to factor XIII deficiency. European Journal of Haematology, 2000, 65, 279-284.	2.2	6
154	Characterization of seleniumâ€containing glutathione transferase zeta1â€“1 with high GPX activity prepared in eukaryotic cells. Journal of Molecular Recognition, 2013, 26, 38-45.	2.1	6
155	Regions of ryanodine receptors that influence activation by the dihydropyridine receptor Î²1a subunit. Skeletal Muscle, 2015, 5, 23.	4.2	6
156	Database Analysis and Gene Discovery in Pharmacogenetics. Clinical Chemistry and Laboratory Medicine, 2000, 38, 863-7.	2.3	5
157	Ligandin revisited: resolution of the alpha class glutathione transferase gene family. Pharmacogenetics and Genomics, 2002, 12, 275-276.	5.7	5
158	Re-evaluation of the proposed interrelationship between thyroxine-binding globulin (TBG) and Î±1-antitrypsin (PI). Clinica Chimica Acta, 1984, 139, 65-73.	1.1	4
159	BamHI and EcoRI restriction fragment length polymorphisms at the glutathinne S-transferase 3 locus. Nucleic Acids Research, 1989, 17, 7550-7550.	14.5	4
160	Preliminary X-ray crystallographic studies of a newly defined human theta-class glutathione transferase. Acta Crystallographica Section D: Biological Crystallography, 1998, 54, 148-150.	2.5	4
161	Dichloromethane mediatedin vivoselection and functional characterization of rat glutathioneS-transferase theta 1-1 variants. FEBS Journal, 2001, 268, 4001-4010.	0.2	4
162	Letter to the Editor: 1H, 13C and 15N assignments for the IIâ€“III loop region of the skeletal dyhydropyridine receptor. Journal of Biomolecular NMR, 2005, 32, 89-90.	2.8	4

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