

Aldo Paolicchi

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108
papers

4,148
citations

33
h-index

63
g-index

110
ext. papers

4,541
ext. citations

4.7
avg, IF

4.84
L-index

#	Paper	IF	Citations
108	The changing faces of glutathione, a cellular protagonist. <i>Biochemical Pharmacology</i> , 2003 , 66, 1499-5036		935
107	Gamma-glutamyltransferase, atherosclerosis, and cardiovascular disease: triggering oxidative stress within the plaque. <i>Circulation</i> , 2005 , 112, 2078-80	16.7	249
106	Gamma-glutamyltransferase of cancer cells at the crossroads of tumor progression, drug resistance and drug targeting. <i>Anticancer Research</i> , 2010 , 30, 1169-81	2.3	161
105	Hydrogen peroxide produced during gamma-glutamyl transpeptidase activity is involved in prevention of apoptosis and maintenance of proliferation in U937 cells. <i>FASEB Journal</i> , 1999 , 13, 69-79	0.9	158
104	Glutathione catabolism as a signaling mechanism. <i>Biochemical Pharmacology</i> , 2002 , 64, 1027-35	6	151
103	Images in cardiovascular medicine. Human atherosclerotic plaques contain gamma-glutamyl transpeptidase enzyme activity. <i>Circulation</i> , 2004 , 109, 1440	16.7	147
102	Redox modulation of cell surface protein thiols in U937 lymphoma cells: the role of gamma-glutamyl transpeptidase-dependent H ₂ O ₂ production and S-thiolation. <i>Free Radical Biology and Medicine</i> , 1999 , 27, 623-35	7.8	132
101	Gamma-glutamyltransferase, redox regulation and cancer drug resistance. <i>Current Opinion in Pharmacology</i> , 2007 , 7, 360-6	5.1	122
100	Gamma-glutamyltransferase activity in human atherosclerotic plaques--biochemical similarities with the circulating enzyme. <i>Atherosclerosis</i> , 2009 , 202, 119-27	3.1	92
99	Beneficial effect of heme oxygenase-1 expression on myocardial ischemia-reperfusion involves an increase in adiponectin in mildly diabetic rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 293, H3532-41	5.2	80
98	gamma-Glutamyl transpeptidase-dependent lipid peroxidation in isolated hepatocytes and HepG2 hepatoma cells. <i>Free Radical Biology and Medicine</i> , 1997 , 22, 853-60	7.8	78
97	Beta-lipoprotein- and LDL-associated serum gamma-glutamyltransferase in patients with coronary atherosclerosis. <i>Atherosclerosis</i> , 2006 , 186, 80-5	3.1	72
96	The significance of serum gamma-glutamyltransferase in cardiovascular diseases. <i>Clinical Chemistry and Laboratory Medicine</i> , 2004 , 42, 1085-91	5.9	72
95	Increase of interferon-gamma inducible alpha chemokine CXCL10 but not beta chemokine CCL2 serum levels in chronic autoimmune thyroiditis. <i>European Journal of Endocrinology</i> , 2005 , 152, 171-7	6.5	69
94	Increase of CXC chemokine CXCL10 and CC chemokine CCL2 serum levels in normal ageing. <i>Cytokine</i> , 2006 , 34, 32-8	4	64
93	Quenching of Intracellular ROS Generation as a Mechanism for Oleate-Induced Reduction of Endothelial Activation and Early Atherogenesis. <i>Thrombosis and Haemostasis</i> , 2002 , 88, 335-344	7	61
92	Modulation of cell growth and cisplatin sensitivity by membrane gamma-glutamyltransferase in melanoma cells. <i>European Journal of Cancer</i> , 2006 , 42, 2623-30	7.5	60

91	Prooxidant reactions promoted by soluble and cell-bound gamma-glutamyltransferase activity. <i>Methods in Enzymology</i> , 2005 , 401, 484-501	1.7	56
90	Gamma-glutamyltransferase-dependent prooxidant reactions: a factor in multiple processes. <i>BioFactors</i> , 2003 , 17, 187-98	6.1	53
89	A high performance gel filtration chromatography method for gamma-glutamyltransferase fraction analysis. <i>Analytical Biochemistry</i> , 2008 , 374, 1-6	3.1	47
88	Localization of a GSH-dependent dehydroascorbate reductase in rat tissues and subcellular fractions. <i>Archives of Biochemistry and Biophysics</i> , 1996 , 333, 489-95	4.1	46
87	Additive prognostic value of gamma-glutamyltransferase in coronary artery disease. <i>International Journal of Cardiology</i> , 2009 , 136, 80-5	3.2	45
86	Serum gamma-glutamyltransferase as a risk factor of ischemic stroke might be independent of alcohol consumption. <i>Stroke</i> , 2002 , 33, 1163-4	6.7	45
85	Pilot, Open, Randomized, Prospective Trial for Normothermic Machine Perfusion Evaluation in Liver Transplantation From Older Donors. <i>Liver Transplantation</i> , 2019 , 25, 436-449	4.5	45
84	Circulating chemokine (CXC motif) ligand (CXCL)9 is increased in aggressive chronic autoimmune thyroiditis, in association with CXCL10. <i>Cytokine</i> , 2011 , 55, 288-93	4	44
83	Membrane gamma-glutamyl transferase activity promotes iron-dependent oxidative DNA damage in melanoma cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009 , 669, 112-21	3.3	41
82	Enhanced resistance of HeLa cells to cisplatin by overexpression of gamma-glutamyltransferase. <i>Biochemical Pharmacology</i> , 2002 , 64, 207-16	6	41
81	Differential modulation of P-glycoprotein expression by dexamethasone and 3-methylcholanthrene in rat hepatocyte primary cultures. <i>Carcinogenesis</i> , 1994 , 15, 335-41	4.6	40
80	The S-thiolating activity of membrane gamma-glutamyltransferase: formation of cysteinyl-glycine mixed disulfides with cellular proteins and in the cell microenvironment. <i>Antioxidants and Redox Signaling</i> , 2005 , 7, 911-8	8.4	39
79	Accuracy of b-GGT fraction for the diagnosis of non-alcoholic fatty liver disease. <i>Liver International</i> , 2012 , 32, 629-34	7.9	38
78	The cell-specific anti-proliferative effect of reduced glutathione is mediated by gamma-glutamyl transpeptidase-dependent extracellular pro-oxidant reactions. <i>International Journal of Cancer</i> , 1997 , 71, 246-50	7.5	35
77	Measurement of warfarin in the oral fluid of patients undergoing anticoagulant oral therapy. <i>PLoS ONE</i> , 2011 , 6, e28182	3.7	33
76	Gamma-glutamyltransferase as a cardiovascular risk factor. <i>European Heart Journal</i> , 2006 , 27, 2145-6	9.5	33
75	Ruxolitinib Rapidly Reduces Acute Respiratory Distress Syndrome in COVID-19 Disease. Analysis of Data Collection From RESPIRE Protocol. <i>Frontiers in Medicine</i> , 2020 , 7, 466	4.9	32
74	Correlates and reference limits of plasma gamma-glutamyltransferase fractions from the Framingham Heart Study. <i>Clinica Chimica Acta</i> , 2013 , 417, 19-25	6.2	28

73	Cytokines (interferon- α and tumor necrosis factor- β) induced nuclear factor- κ B activation and chemokine (C-X-C motif) ligand 10 release in Graves disease and ophthalmopathy are modulated by pioglitazone. <i>Metabolism: Clinical and Experimental</i> , 2011 , 60, 277-83	12.7	28
72	Cytochrome P-450 3A13 and endothelin jointly mediate ductus arteriosus constriction to oxygen in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 300, H892-901	5.2	28
71	Cardiovascular risk factors and gamma-glutamyltransferase fractions in healthy individuals. <i>Clinical Chemistry and Laboratory Medicine</i> , 2010 , 48, 713-7	5.9	27
70	Fractions of plasma gamma-glutamyltransferase in healthy individuals: reference values. <i>Clinica Chimica Acta</i> , 2008 , 395, 188-9	6.2	27
69	Redox modulation of protein kinase/phosphatase balance in melanoma cells: the role of endogenous and gamma-glutamyltransferase-dependent H ₂ O ₂ production. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2003 , 1621, 76-83	4	26
68	Different media and supplements modulate the clonogenic and expansion properties of rabbit bone marrow mesenchymal stem cells. <i>BMC Research Notes</i> , 2008 , 1, 53	2.3	25
67	Gamma-glutamyltransferase fractions in human plasma and bile: characteristic and biogenesis. <i>PLoS ONE</i> , 2014 , 9, e88532	3.7	23
66	Contribution by polymorphonucleate granulocytes to elevated gamma-glutamyltransferase in cystic fibrosis sputum. <i>PLoS ONE</i> , 2012 , 7, e34772	3.7	23
65	Colorimetric coupled enzyme assay for gamma-glutamyltransferase activity using glutathione as substrate. <i>Journal of Proteomics</i> , 2006 , 67, 123-30		23
64	Single-cell investigation by laser scanning confocal microscopy of cytochemical alterations resulting from extracellular oxidant challenge. <i>Histochemistry and Cell Biology</i> , 1996 , 105, 173-8	2.4	23
63	A kinetic study of gamma-glutamyltransferase (GGT)-mediated S-nitrosoglutathione catabolism. <i>Archives of Biochemistry and Biophysics</i> , 2009 , 481, 191-6	4.1	22
62	Cultured human cells release soluble gamma-glutamyltransferase complexes corresponding to the plasma b-GGT. <i>Biomarkers</i> , 2009 , 14, 486-92	2.6	21
61	Cellular response to oxidative stress and ascorbic acid in melanoma cells overexpressing gamma-glutamyltransferase. <i>European Journal of Cancer</i> , 2008 , 44, 750-9	7.5	21
60	High-sensitivity Eglutamyltransferase fraction pattern in alcohol addicts and abstainers. <i>Drug and Alcohol Dependence</i> , 2013 , 127, 239-42	4.9	20
59	Extra-cellular thiol metabolism in clones of human metastatic melanoma with different gamma-glutamyl transpeptidase expression: implications for cell response to platinum-based drugs. <i>International Journal of Cancer</i> , 2002 , 97, 740-5	7.5	20
58	Determination of S-nitrosoglutathione in plasma: comparison of two methods. <i>Talanta</i> , 2010 , 81, 1295-96.2		19
57	Exogenous vs. endogenous gamma-glutamyltransferase activity: Implications for the specific determination of S-nitrosoglutathione in biological samples. <i>Archives of Biochemistry and Biophysics</i> , 2009 , 487, 146-52	4.1	19
56	Serological screening for Celiac Disease in 382 pre-schoolers with Autism Spectrum Disorder. <i>Italian Journal of Pediatrics</i> , 2016 , 42, 98	3.2	18

55	Redox Modulation of NF- κ B Nuclear Translocation and DNA Binding in Metastatic Melanoma. The Role of Endogenous and γ -Glutamyl Transferase-Dependent Oxidative Stress. <i>Tumori</i> , 2003 , 89, 426-433	1.7	17
54	Selective colocalization of lipid peroxidation and protein thiol loss in chemically induced hepatic preneoplastic lesions: the role of gamma-glutamyltranspeptidase activity. <i>Histochemistry and Cell Biology</i> , 1996 , 106, 275-82	2.4	17
53	γ -Gamma-glutamyltransferase activity in human vulnerable carotid plaques. <i>Atherosclerosis</i> , 2014 , 237, 307-13	3.1	16
52	Plasma membrane gamma-glutamyltransferase activity facilitates the uptake of vitamin C in melanoma cells. <i>Free Radical Biology and Medicine</i> , 2004 , 37, 1906-15	7.8	16
51	Pre-birth selection of umbilical cord blood donors. <i>Blood Transfusion</i> , 2010 , 8, 36-43	3.6	16
50	Gamma-glutamyltransferase-dependent resistance to arsenic trioxide in melanoma cells and cellular sensitization by ascorbic acid. <i>Free Radical Biology and Medicine</i> , 2009 , 46, 1516-26	7.8	14
49	Etrace protein is highly removed during haemodialysis with high-flux and super high-flux membranes. <i>BMC Nephrology</i> , 2017 , 18, 68	2.7	13
48	Aortic valve disease and gamma-glutamyltransferase: accumulation in tissue and relationships with calcific degeneration. <i>Atherosclerosis</i> , 2010 , 213, 385-91	3.1	12
47	Serum gamma-glutamyl transpeptidase: a prognostic marker in cardiovascular diseases. <i>BioFactors</i> , 2003 , 17, 199-205	6.1	11
46	Different immunoreactivity of monomers and dimers makes automated free light chains assays not equivalent. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018 , 57, 221-229	5.9	10
45	gamma-glutamyltransferase and pathogenesis of cardiovascular diseases. <i>Future Cardiology</i> , 2007 , 3, 263-70	1.3	10
44	Association between plasma gamma-glutamyltransferase fractions and metabolic syndrome among hypertensive patients. <i>Scientific Reports</i> , 2017 , 7, 12003	4.9	8
43	Advanced oxidation protein products in serum of patients with myotonic disease type I: association with serum gamma-glutamyltransferase and disease severity. <i>Clinical Chemistry and Laboratory Medicine</i> , 2005 , 43, 745-7	5.9	8
42	EDHF function in the ductus arteriosus: evidence against involvement of epoxyeicosatrienoic acids and 12S-hydroxyeicosatetraenoic acid. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 297, H2161-8	5.2	7
41	Inter-assay variability in automated serum free light chain assays and their use in the clinical laboratory. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2020 , 57, 73-85	9.4	7
40	Quantification of dehydroepiandrosterone in human serum on a routine basis: development and validation of a tandem mass spectrometry method based on a surrogate analyte. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 407-416	4.4	7
39	Anti-inflammatory signaling during ex vivo liver perfusion improves the preservation of pig liver grafts before transplantation. <i>Liver Transplantation</i> , 2017 , 23, 707-708	4.5	6
38	Circulating gamma-glutamyltransferase fractions in cirrhosis. <i>Liver International</i> , 2014 , 34, e191-9	7.9	6

37	Serum gamma-glutamyltransferase fractions in myotonic dystrophy type I: differences with healthy subjects and patients with liver disease. <i>Clinical Biochemistry</i> , 2010 , 43, 1246-8	3.5	6
36	Vitamin C supply to bronchial epithelial cells linked to glutathione availability in elf--a role for secreted gamma-glutamyltransferase?. <i>Journal of Cystic Fibrosis</i> , 2008 , 7, 174-8	4.1	6
35	Gamma-glutamyltransferase induction by glucocorticoids in rat liver: age-dependence, time-dependence, dose-dependence, and intralobular distribution. <i>Acta Histochemica</i> , 1989 , 86, 51-61	2	5
34	Gamma-glutamyltranspeptidase induction by cortisol in liver parenchyma of unweaned rats. <i>Bioscience Reports</i> , 1984 , 4, 203-11	4.1	5
33	Gamma-glutamyltransferase Fractions in Obese Subjects with Type 2 Diabetes: Relation to Insulin Sensitivity and Effects of Bariatric Surgery. <i>Obesity Surgery</i> , 2018 , 28, 1363-1371	3.7	5
32	Redox modulation of NF-kappaB nuclear translocation and DNA binding in metastatic melanoma. The role of endogenous and gamma-glutamyl transferase-dependent oxidative stress. <i>Tumori</i> , 2003 , 89, 426-33	1.7	5
31	Metyrapone modulation of tyrosine aminotransferase induction by dexamethasone in cultured hepatocytes. <i>Biochemical and Biophysical Research Communications</i> , 1990 , 166, 801-6	3.4	4
30	Discrepancy between FLC assays: only a problem of quantification?. <i>Clinical Chemistry and Laboratory Medicine</i> , 2016 , 54, 1111-3	5.9	4
29	Human Wharton's jelly-derived mesenchymal stromal cells engineered to secrete Epstein-Barr virus interleukin-10 show enhanced immunosuppressive properties. <i>Cytotherapy</i> , 2016 , 18, 205-18	4.8	3
28	Gamma-glutamyltransferase, H ₂ O ₂ -induced apoptosis and expression of catalase. <i>Toxicology in Vitro</i> , 2013 , 27, 991	3.6	3
27	Platelet activation, gamma-glutamyltransferase and stent restenosis: comment on the article by Ulus et al. <i>Atherosclerosis</i> , 2007 , 195, e231-2	3.1	3
26	The Potential Roles of Gamma-Glutamyltransferase Activity in the Progression of Atherosclerosis and Cardiovascular Diseases. <i>Vascular Disease Prevention</i> , 2006 , 3, 205-209		3
25	Sensitivity and reproducibility enhancement in enzyme immunosorbent assays based on half fragment antibodies. <i>Analytical Biochemistry</i> , 2021 , 616, 114090	3.1	3
24	Determination and stability of N-terminal pro-brain natriuretic peptide in saliva samples for monitoring heart failure. <i>Scientific Reports</i> , 2021 , 11, 13088	4.9	3
23	Development of a normothermic extracorporeal liver perfusion system toward improving viability and function of human extended criteria donor livers. <i>Liver Transplantation</i> , 2016 , 22, 1615-1616	4.5	3
22	Interference of Monoclonal Gammopathy with Fibrinogen Assay Producing Spurious Dysfibrinogenemia. <i>TH Open</i> , 2019 , 3, e64-e66	2.7	2
21	Serum gamma-glutamyltransferase: linking together environmental pollution, redox equilibria and progression of atherosclerosis?. <i>Clinical Chemistry and Laboratory Medicine</i> , 2009 , 47, 1583-4	5.9	2
20	Developmental variations of plasma gamma-glutamyltransferase fractions in humans and in laboratory mammals. <i>Biomarkers</i> , 2012 , 17, 43-7	2.6	2

19	Gamma-glutamyltransferase induction by dexamethasone in cytochrome P-450-depleted rat liver. <i>Bioscience Reports</i> , 1990 , 10, 437-44	4.1	2
18	Cytological and quantitative cytochemical changes in the hepatocyte population of newborn rats following hydrocortisone administration. <i>Acta Histochemica</i> , 1987 , 82, 137-48	2	2
17	Is There a Crucial Link Between Vitamin D Status and Inflammatory Response in Patients With COVID-19?. <i>Frontiers in Immunology</i> , 2021 , 12, 745713	8.4	2
16	Are standard cell culture conditions adequate for human umbilical cord blood mesenchymal stem cells?. <i>Blood Transfusion</i> , 2014 , 12 Suppl 1, s375-7	3.6	2
15	Highly Elevated Plasma γ -Glutamyltransferase Elevations: A Trait Caused by γ -Glutamyltransferase 1 Transmembrane Mutations. <i>Hepatology</i> , 2020 , 71, 1124-1127	11.2	2
14	Non enzymatic upregulation of tissue factor expression by gamma-glutamyl transferase in human peripheral blood mononuclear cells. <i>Thrombosis Journal</i> , 2016 , 14, 45	5.6	2
13	Effect of the three-dimensional organization of liver cells on the biogenesis of the γ -glutamyltransferase fraction pattern. <i>Biomarkers</i> , 2016 , 21, 441-8	2.6	2
12	Lack of neutralizing activity in nonconvalescent sera, regardless of ABO blood group and anti-A isoagglutinin titer.. <i>Journal of Clinical Virology Plus</i> , 2021 , 1, 100035		2
11	Fluorescence enhancement aided by metal ion displacement. <i>Biosensors and Bioelectronics</i> , 2016 , 80, 237-242	11.8	1
10	Plasma gamma-glutamyltransferase (GGT) activity in inflammatory bowel disease: is the clinical laboratory plasma GGT assay sensitive enough for gastroenterology?. <i>Inflammatory Bowel Diseases</i> , 2013 , 19, E21-2	4.5	1
9	Modulation of erythrocyte sensitivity to oxidative stress by transient hyperhomocysteinemia in healthy subjects and in patients with coronary artery disease. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2008 , 18, 402-7	4.5	1
8	Inducibility of gamma-glutamyltransferase by dexamethasone in rat liver: relationship with the cytochrome P-450 content. <i>Life Sciences</i> , 1993 , 52, 631-7	6.8	1
7	Changes of glutathione metabolism during feline immunodeficiency virus infection. <i>Journal of Acquired Immune Deficiency Syndromes</i> , 1996 , 13, 94-6		1
6	Free light chain UV quantification compared with immunochemical measurement: How dimers and monomers may influence the results. <i>Clinica Chimica Acta</i> , 2020 , 510, 278-284	6.2	1
5	Signal Enhancement in Oriented Immunosorbent Assays: A Balance between Accessibility of Antigen Binding Sites and Avidity.. <i>Biosensors</i> , 2021 , 11,	5.9	1
4	MS-based targeted profiling of oxylipins in COVID-19: A new insight into inflammation regulation.. <i>Free Radical Biology and Medicine</i> , 2022 , 180, 236-236	7.8	0
3	The Ultimate Method for Determination of S-Nitrosoglutathione (GSNO): Enzymatic/Copper Mediated Decomposition plus DAF-NO Reaction . <i>FASEB Journal</i> , 2008 , 22, 65-65	0.9	
2	Quantification of Cellular Proliferation and Differentiation by Microphotometry of DNA and Protein 1994 , 395-417		

1 Data about performances of whole and monovalent half-fragments antibodies in immunosorbent assays. *Data in Brief*, **2021**, 35, 106778

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