

Anna Pastore

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2869485/publications.pdf>

Version: 2024-02-01

97
papers

5,488
citations

87843

38
h-index

82499

72
g-index

98
all docs

98
docs citations

98
times ranked

8313
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of glutathione: implication in redox and detoxification. <i>Clinica Chimica Acta</i> , 2003, 333, 19-39.	0.5	931
2	COQ2 Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2007, 18, 2773-2780.	3.0	297
3	Fully automated assay for total homocysteine, cysteine, cysteinylglycine, glutathione, cysteamine, and 2-mercaptopyruvate in plasma and urine. <i>Clinical Chemistry</i> , 1998, 44, 825-832.	1.5	242
4	Determination of Blood Total, Reduced, and Oxidized Glutathione in Pediatric Subjects. <i>Clinical Chemistry</i> , 2001, 47, 1467-1469.	1.5	173
5	Extracorporeal dialysis in neonatal hyperammonemia: modalities and prognostic indicators. <i>Pediatric Nephrology</i> , 2001, 16, 862-867.	0.9	167
6	EPI-743 reverses the progression of the pediatric mitochondrial disease "Genetically defined Leigh Syndrome. <i>Molecular Genetics and Metabolism</i> , 2012, 107, 383-388.	0.5	163
7	Glutathione in blood of patients with Friedreich's ataxia. <i>European Journal of Clinical Investigation</i> , 2001, 31, 1007-1011.	1.7	154
8	S-Glutathionylation signaling in cell biology: Progress and prospects. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 46, 279-292.	1.9	152
9	Colorimetric and Fluorometric Assays of Glutathione Transferase Based on 7-Chloro-4-nitrobenzo-2-oxa-1,3-diazole. <i>Analytical Biochemistry</i> , 1994, 218, 463-465.	1.1	142
10	Actin Glutathionylation Increases in Fibroblasts of Patients with Friedreich's Ataxia. <i>Journal of Biological Chemistry</i> , 2003, 278, 42588-42595.	1.6	142
11	Targeting oxidative stress improves disease outcomes in a rat model of acquired epilepsy. <i>Brain</i> , 2019, 142, e39-e39.	3.7	137
12	A novel disorder involving dysmyelopoiesis, inflammation, and HLH due to aberrant CDC42 function. <i>Journal of Experimental Medicine</i> , 2019, 216, 2778-2799.	4.2	132
13	Nitrosylation of Human Glutathione Transferase P1-1 with Dinitrosyl Diglutathionyl Iron Complex in Vitro and in Vivo. <i>Journal of Biological Chemistry</i> , 2005, 280, 42172-42180.	1.6	109
14	Site-directed Mutagenesis of Human Glutathione Transferase P1-1. <i>Journal of Biological Chemistry</i> , 1995, 270, 1243-1248.	1.6	87
15	Activation of the transcription factor EB rescues lysosomal abnormalities in cystinotic kidney cells. <i>Kidney International</i> , 2016, 89, 862-873.	2.6	85
16	Plasma Levels of Homocysteine and Cysteine Increased in Pediatric NAFLD and Strongly Correlated with Severity of Liver Damage. <i>International Journal of Molecular Sciences</i> , 2014, 15, 21202-21214.	1.8	84
17	Protein Glutathionylation in Cardiovascular Diseases. <i>International Journal of Molecular Sciences</i> , 2013, 14, 20845-20876.	1.8	81
18	Treatment of doxorubicin-resistant MCF7/Dx cells with nitric oxide causes histone glutathionylation and reversal of drug resistance. <i>Biochemical Journal</i> , 2011, 440, 175-183.	1.7	77

#	ARTICLE	IF	CITATIONS
19	Glutathione metabolism and antioxidant enzymes in patients affected by nonalcoholic steatohepatitis. <i>Clinica Chimica Acta</i> , 2005, 355, 105-111.	0.5	68
20	Long-term outcome of nephropathic cystinosis: a 20-year single-center experience. <i>Pediatric Nephrology</i> , 2010, 25, 2459-2467.	0.9	66
21	A new simple and rapid LC-ESI-MS/MS method for quantification of plasma oxysterols as dimethylaminobutyrate esters. Its successful use for the diagnosis of Niemann-Pick type C disease. <i>Clinica Chimica Acta</i> , 2014, 437, 93-100.	0.5	62
22	Antioxidant enzymes in blood of patients with Friedreich's ataxia. <i>Archives of Disease in Childhood</i> , 2002, 86, 376-379.	1.0	59
23	Nrf2-Inducers Counteract Neurodegeneration in Frataxin-Silenced Motor Neurons: Disclosing New Therapeutic Targets for Friedreich's Ataxia. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2173.	1.8	58
24	Glutathione metabolism and antioxidant enzymes in children with down syndrome. <i>Journal of Pediatrics</i> , 2003, 142, 583-585.	0.9	56
25	Protein glutathionylation in human central nervous system: Potential role in redox regulation of neuronal defense against free radicals. <i>Journal of Neuroscience Research</i> , 2006, 83, 256-263.	1.3	50
26	Common mutation in methylenetetrahydrofolate reductase. Correlation with homocysteine and other risk factors for vascular disease. <i>Atherosclerosis</i> , 1998, 139, 377-383.	0.4	49
27	Glutathione: A redox signature in monitoring EPI-743 therapy in children with mitochondrial encephalomyopathies. <i>Molecular Genetics and Metabolism</i> , 2013, 109, 208-214.	0.5	49
28	Emodin Prevents Intrahepatic Fat Accumulation, Inflammation and Redox Status Imbalance During Diet-Induced Hepatosteatosis in Rats. <i>International Journal of Molecular Sciences</i> , 2012, 13, 2276-2289.	1.8	48
29	Endo-Lysosomal Dysfunction in Human Proximal Tubular Epithelial Cells Deficient for Lysosomal Cystine Transporter Cystinosis. <i>PLoS ONE</i> , 2015, 10, e0120998.	1.1	47
30	Glutathione metabolism in cobalamin deficiency type C (cblC). <i>Journal of Inherited Metabolic Disease</i> , 2014, 37, 125-129.	1.7	46
31	Altered mTOR signalling in nephropathic cystinosis. <i>Journal of Inherited Metabolic Disease</i> , 2016, 39, 457-464.	1.7	45
32	Cystinuria in children and young adults: success of monitoring free-cystine urine levels. <i>Pediatric Nephrology</i> , 2007, 22, 1869-1873.	0.9	44
33	Tissue Factor and Homocysteine Levels in Ischemic Heart Disease Are Associated with Angiographically Documented Clinical Recurrences after Coronary Angioplasty. <i>Thrombosis and Haemostasis</i> , 2000, 83, 826-832.	1.8	43
34	Impaired Activity of the γ -Glutamyl Cycle in Nephropathic Cystinosis Fibroblasts. <i>Pediatric Research</i> , 2006, 59, 332-335.	1.1	43
35	Effects of levosimendan on mitochondrial function in patients with septic shock: A randomized trial. <i>Biochimie</i> , 2014, 102, 166-173.	1.3	41
36	The use of muscle biopsy in the diagnosis of undefined ataxia with cerebellar atrophy in children. <i>European Journal of Paediatric Neurology</i> , 2012, 16, 248-256.	0.7	39

#	ARTICLE	IF	CITATIONS
37	Glutathione imbalance in patients with X-linked adrenoleukodystrophy. <i>Molecular Genetics and Metabolism</i> , 2013, 109, 366-370.	0.5	39
38	Homocysteine, cysteine, folate and vitamin B12 status in type 2 diabetic patients with chronic kidney disease. <i>Journal of Nephrology</i> , 2015, 28, 571-576.	0.9	39
39	Myosin as a potential redox-sensor: an in vitro study. <i>Journal of Muscle Research and Cell Motility</i> , 2008, 29, 119-126.	0.9	37
40	Brown-Vialetto-van Laere and Fazio-Londe overlap syndromes: A clinical, biochemical and genetic study. <i>Neuromuscular Disorders</i> , 2012, 22, 1075-1082.	0.3	36
41	Cystinosis (ctns) zebrafish mutant shows pronephric glomerular and tubular dysfunction. <i>Scientific Reports</i> , 2017, 7, 42583.	1.6	36
42	Erythrocyte glutathione transferase: a potential new biomarker in chronic kidney diseases which correlates with plasma homocysteine. <i>Amino Acids</i> , 2012, 43, 347-354.	1.2	35
43	Conformational States of Human Placental Glutathione Transferase as Probed by Limited Proteolysis. <i>Biochemical and Biophysical Research Communications</i> , 1993, 194, 804-810.	1.0	34
44	Determination of superoxide dismutase and glutathione peroxidase activities in blood of healthy pediatric subjects. <i>Clinica Chimica Acta</i> , 2002, 322, 117-120.	0.5	34
45	The proteome of cblC defect: in vivo elucidation of altered cellular pathways in humans. <i>Journal of Inherited Metabolic Disease</i> , 2015, 38, 969-979.	1.7	34
46	Effects of Folic Acid Before and After Vitamin B12 on Plasma Homocysteine Concentrations in Hemodialysis Patients with Known MTHFR Genotypes. <i>Clinical Chemistry</i> , 2006, 52, 145-148.	1.5	33
47	Lack of association between carotid intima-media thickness and methylenetetrahydrofolate reductase gene polymorphism or serum homocysteine in non-insulin-dependent diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , 2000, 49, 718-723.	1.5	32
48	Erythrocyte glutathione transferase activity: a possible early biomarker for blood toxicity in uremic diabetic patients. <i>Acta Diabetologica</i> , 2014, 51, 219-224.	1.2	32
49	The fine-tuning of TRAF2-GSTP1-1 interaction: effect of ligand binding and in situ detection of the complex. <i>Cell Death and Disease</i> , 2014, 5, e1015-e1015.	2.7	31
50	Effect of protein glutathionylation on neuronal cytoskeleton: a potential link to neurodegeneration. <i>Neuroscience</i> , 2011, 192, 285-294.	1.1	29
51	Determination of glutathionyl-hemoglobin in human erythrocytes by cation-exchange high-performance liquid chromatography. <i>Analytical Biochemistry</i> , 2003, 312, 85-90.	1.1	28
52	Role of GST P1-1 in mediating the effect of etoposide on human neuroblastoma cell line Sh-Sy5y. <i>Journal of Cellular Biochemistry</i> , 2002, 86, 340-347.	1.2	27
53	Frataxin silencing alters microtubule stability in motor neurons: implications for Friedreich's ataxia. <i>Human Molecular Genetics</i> , 2016, 25, 4288-4301.	1.4	27
54	GSSG-mediated Complex I defect in isolated cardiac mitochondria. <i>International Journal of Molecular Medicine</i> , 2010, 26, 95-9.	1.8	26

#	ARTICLE	IF	CITATIONS
55	Modulation of CTNS gene expression by intracellular thiols. <i>Free Radical Biology and Medicine</i> , 2010, 48, 865-872.	1.3	26
56	Simultaneous determination of inulin and p-aminohippuric acid in plasma and urine by reversed-phase high-performance liquid chromatography. <i>Biomedical Applications</i> , 2001, 751, 187-191.	1.7	25
57	Serum homocysteine, methylenetetrahydrofolate reductase gene polymorphism and cardiovascular disease in heterozygous familial hypercholesterolemia. <i>Atherosclerosis</i> , 2005, 179, 333-338.	0.4	24
58	Pyroglutamic aciduria and nephropathic cystinosis. <i>Journal of Inherited Metabolic Disease</i> , 1999, 22, 224-226.	1.7	23
59	All glutathione forms are depleted in blood of obese and type 1 diabetic children. <i>Pediatric Diabetes</i> , 2012, 13, 272-277.	1.2	23
60	Rapid determination of mycophenolic acid in plasma by reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 776, 251-254.	1.2	22
61	Characterization of a new trabectedin-resistant myxoid liposarcoma cell line that shows collateral sensitivity to methylating agents. <i>International Journal of Cancer</i> , 2012, 131, 59-69.	2.3	22
62	Creatine metabolism in urea cycle defects. <i>Journal of Inherited Metabolic Disease</i> , 2012, 35, 647-653.	1.7	22
63	Frataxin Silencing Inactivates Mitochondrial Complex I in NSC34 Motoneuronal Cells and Alters Glutathione Homeostasis. <i>International Journal of Molecular Sciences</i> , 2014, 15, 5789-5806.	1.8	22
64	Susceptibility of isolated myofibrils to in vitro glutathionylation: Potential relevance to muscle functions. <i>Cytoskeleton</i> , 2010, 67, 81-89.	1.0	20
65	Glutathione S-transferase P1 as a target for mesothelioma treatment. <i>Cancer Science</i> , 2013, 104, 223-230.	1.7	20
66	High performance liquid chromatographic determination of plasma free and total tazobactam and piperacillin. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 86-88.	1.2	18
67	Glutathionylation of p65NF- κ B correlates with proliferating/apoptotic hepatoma cells exposed to pro- and anti-oxidants. <i>International Journal of Molecular Medicine</i> , 2009, 24, 319-26.	1.8	18
68	Simultaneous determination of ubiquinol and ubiquinone in skeletal muscle of pediatric patients. <i>Analytical Biochemistry</i> , 2005, 342, 352-355.	1.1	15
69	Long-term renal function in heart transplant children on cyclosporine treatment. <i>Pediatric Nephrology</i> , 2006, 21, 561-565.	0.9	15
70	Redox homeostasis and posttranslational modifications/activity of phosphatase and tensin homolog in hepatocytes from rats with diet-induced hepatosteatosis. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 169-178.	1.9	14
71	Intrinsic Bone Defects in Cystinotic Mice. <i>American Journal of Pathology</i> , 2019, 189, 1053-1064.	1.9	14
72	Selective Adsorption of Homocysteine Using an HFR-ON LINE Technique. <i>Artificial Organs</i> , 2004, 28, 592-595.	1.0	11

#	ARTICLE	IF	CITATIONS
73	Drug Repurposing in Rare Diseases: An Integrative Study of Drug Screening and Transcriptomic Analysis in Nephropathic Cystinosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12829.	1.8	11
74	Optimizing the dose of hydroxocobalamin in cobalamin C (cblC) defect. <i>Molecular Genetics and Metabolism</i> , 2013, 109, 329-330.	0.5	10
75	Detection of iron deficiency in children with Down syndrome. <i>Genetics in Medicine</i> , 2020, 22, 317-325.	1.1	10
76	Serum homocysteine, MTHFR gene polymorphism, and carotid intimal-medial thickness in NIDDM subjects. <i>Journal of Thrombosis and Thrombolysis</i> , 1999, 8, 207-212.	1.0	9
77	Evaluation of carbohydrate-cysteamine thiazolidines as pro-drugs for the treatment of cystinosis. <i>Carbohydrate Research</i> , 2017, 439, 9-15.	1.1	9
78	Cystinosin-LKG rescues cystine accumulation and decreases apoptosis rate in cystinotic proximal tubular epithelial cells. <i>Pediatric Research</i> , 2017, 81, 113-119.	1.1	9
79	Protein glutathionylation in cellular compartments: A constitutive redox signal. <i>Redox Report</i> , 2012, 17, 63-71.	1.4	8
80	Semiautomated Method for Determination of Cystine Concentration in Polymorphonuclear Leukocytes. <i>Clinical Chemistry</i> , 2000, 46, 560-576.	1.5	8
81	Influence of dialysis techniques and alternate vitamin supplementation on homocysteine levels in patients with known MTHFR genotypes. <i>Clinical and Experimental Nephrology</i> , 2015, 19, 140-145.	0.7	7
82	Reverse-phase high-performance liquid chromatography for the simultaneous determination of sildenafil and N-desmethyl sildenafil in plasma of children. <i>Biomedical Chromatography</i> , 2016, 30, 2070-2073.	0.8	7
83	High concentrations of H ₂ O ₂ trigger hypertrophic cascade and phosphatase and tensin homologue (PTEN) glutathionylation in H9c2 cardiomyocytes. <i>Experimental and Molecular Pathology</i> , 2016, 100, 199-206.	0.9	7
84	Gender-related effects on urine l-cystine metastability. <i>Amino Acids</i> , 2014, 46, 415-427.	1.2	6
85	Systemic Redox Biomarkers in Neurodegenerative Diseases. <i>Current Drug Metabolism</i> , 2015, 16, 46-70.	0.7	6
86	Changes in Total Homocysteine and Glutathione Levels After Laparoscopic Sleeve Gastrectomy in Children with Metabolic-Associated Fatty Liver Disease. <i>Obesity Surgery</i> , 2021, , 1.	1.1	6
87	Pitfalls in the quantitative imaging of glutathione in living cells. <i>Nature Communications</i> , 2018, 9, 1588.	5.8	5
88	Benefits and Toxicity of Disulfiram in Preclinical Models of Nephropathic Cystinosis. <i>Cells</i> , 2021, 10, 3294.	1.8	5
89	Transcriptional and Posttranscriptional Regulation of the CTNS Gene. <i>Pediatric Research</i> , 2011, 70, 130-135.	1.1	4
90	Purification and characterization of a novel alpha-class glutathione transferase from human liver. <i>International Journal of Biochemistry and Cell Biology</i> , 1998, 30, 1235-1243.	1.2	2

#	ARTICLE	IF	CITATIONS
91	Renal hemodynamic effect of tacrolimus in renal transplanted children. <i>Pediatric Nephrology</i> , 2001, 16, 773-776.	0.9	2
92	Studying nonobstructive azoospermia in cystinosis: histologic examination of testes and epididymis and sperm analysis in Ctns ^{+/+} mouse model. <i>Fertility and Sterility</i> , 2012, 98, 162-165.	0.5	2
93	Pediatric reference intervals for muscle coenzyme Q10. <i>Biomarkers</i> , 2012, 17, 764-766.	0.9	2
94	Drastic Reduction of Piperacillin-Tazobactam Concentrations in an in-vitro Model of Continuous Venovenous Hemofiltration: Proposal of An Innovative Modality of Administration to Maintain them at Constant Concentration. <i>Cardiovascular and Hematological Agents in Medicinal Chemistry</i> , 2014, 11, 187-193.	0.4	1
95	Cerebrospinal Fluid Levels of AFP and hCG: Validation of the Analytical Method and Application in the Diagnosis of Central Nervous System Germ Cell Tumors. <i>Diagnostics</i> , 2021, 11, 1980.	1.3	1
96	Glutathione Status in MMACHC Patients. <i>Free Radical Biology and Medicine</i> , 2012, 53, S69-S70.	1.3	0
97	Response to Zhang et al.. <i>Genetics in Medicine</i> , 2020, 22, 662-662.	1.1	0