Anna Pastore

List of Publications by Year in Descending Order

94 papers	4,578 citations	34 h-index	66 g-index
98 ext. papers	5,051 ext. citations	4.8 avg, IF	4.93 L-index

#	Paper	IF	Citations
94	Changes in Total Homocysteine and Glutathione Levels After Laparoscopic Sleeve Gastrectomy in Children with Metabolic-Associated Fatty Liver Disease. *Obesity Surgery*, **2021**, 1	3.7	1
93	Response to Zhang et al. *Genetics in Medicine*, **2020**, 22, 662	8.1	
92	Detection of iron deficiency in children with Down syndrome. *Genetics in Medicine*, **2020**, 22, 317-325	8.1	4
91	Targeting oxidative stress improves disease outcomes in a rat model of acquired epilepsy. *Brain*, **2019**, 142, e39	11.2	72
90	Intrinsic Bone Defects in Cystinotic Mice. *American Journal of Pathology*, **2019**, 189, 1053-1064	5.8	8
89	A novel disorder involving dyshematopoiesis, inflammation, and HLH due to aberrant CDC42 function. *Journal of Experimental Medicine*, **2019**, 216, 2778-2799	16.6	71
88	Pitfalls in the quantitative imaging of glutathione in living cells. *Nature Communications*, **2018**, 9, 1588	17.4	4
87	Cystinosis (ctns) zebrafish mutant shows pronephric glomerular and tubular dysfunction. *Scientific Reports*, **2017**, 7, 42583	4.9	23
86	Targeting oxidative stress improves disease outcomes in a rat model of acquired epilepsy. *Brain*, **2017**, 140, 1885-1899	11.2	86
85	Evaluation of carbohydrate-cysteamine thiazolidines as pro-drugs for the treatment of cystinosis. *Carbohydrate Research*, **2017**, 439, 9-15	2.9	5
84	Cystinosin-LKG rescues cystine accumulation and decreases apoptosis rate in cystinotic proximal tubular epithelial cells. *Pediatric Research*, **2017**, 81, 113-119	3.2	5
83	Nrf2-Inducers Counteract Neurodegeneration in Frataxin-Silenced Motor Neurons: Disclosing New Therapeutic Targets for Friedreich's Ataxia. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	42
82	Frataxin silencing alters microtubule stability in motor neurons: implications for Friedreich's ataxia. *Human Molecular Genetics*, **2016**, 25, 4288-4301	5.6	18
81	High concentrations of H2O2 trigger hypertrophic cascade and phosphatase and tensin homologue (PTEN) glutathionylation in H9c2 cardiomyocytes. *Experimental and Molecular Pathology*, **2016**, 100, 199-206	4.4	6
80	Activation of the transcription factor EB rescues lysosomal abnormalities in cystinotic kidney cells. *Kidney International*, **2016**, 89, 862-73	9.9	62
79	Altered mTOR signalling in nephropathic cystinosis. *Journal of Inherited Metabolic Disease*, **2016**, 39, 457-464	5.4	32
78	Reverse-phase high-performance liquid chromatography for the simultaneous determination of sildenafil and N-desmethyl sildenafil in plasma of children. *Biomedical Chromatography*, **2016**, 30, 2070-2073	1.7	5

77	The proteome of cblC defect: in vivo elucidation of altered cellular pathways in humans. *Journal of Inherited Metabolic Disease*, **2015**, 38, 969-79	5.4	31
76	Influence of dialysis techniques and alternate vitamin supplementation on homocysteine levels in patients with known MTHFR genotypes. *Clinical and Experimental Nephrology*, **2015**, 19, 140-5	2.5	7
75	Systemic Redox Biomarkers in Neurodegenerative Diseases. *Current Drug Metabolism*, **2015**, 16, 46-70	3.5	5
74	Homocysteine, cysteine, folate and vitamin B□status in type 2 diabetic patients with chronic kidney disease. *Journal of Nephrology*, **2015**, 28, 571-6	4.8	31
73	Endo-lysosomal dysfunction in human proximal tubular epithelial cells deficient for lysosomal cystine transporter cystinosin. *PLoS ONE*, **2015**, 10, e0120998	3.7	36
72	Gender-related effects on urine L-cystine metastability. *Amino Acids*, **2014**, 46, 415-27	3.5	5
71	Glutathione metabolism in cobalamin deficiency type C (cblC). *Journal of Inherited Metabolic Disease*, **2014**, 37, 125-9	5.4	35
70	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. *Clinica Chimica Acta*, **2014**, 437, 93-100	6.2	55
69	Effects of levosimendan on mitochondrial function in patients with septic shock: a randomized trial. *Biochimie*, **2014**, 102, 166-73	4.6	35
68	The fine-tuning of TRAF2-GSTP1-1 interaction: effect of ligand binding and in situ detection of the complex. *Cell Death and Disease*, **2014**, 5, e1015	9.8	24
67	Frataxin silencing inactivates mitochondrial Complex I in NSC34 motoneuronal cells and alters glutathione homeostasis. *International Journal of Molecular Sciences*, **2014**, 15, 5789-806	6.3	17
66	Plasma levels of homocysteine and cysteine increased in pediatric NAFLD and strongly correlated with severity of liver damage. *International Journal of Molecular Sciences*, **2014**, 15, 21202-14	6.3	59
65	Erythrocyte glutathione transferase activity: a possible early biomarker for blood toxicity in uremic diabetic patients. *Acta Diabetologica*, **2014**, 51, 219-24	3.9	27
64	Glutathione: a redox signature in monitoring EPI-743 therapy in children with mitochondrial encephalomyopathies. *Molecular Genetics and Metabolism*, **2013**, 109, 208-14	3.7	40
63	Glutathione imbalance in patients with X-linked adrenoleukodystrophy. *Molecular Genetics and Metabolism*, **2013**, 109, 366-70	3.7	34
62	Optimizing the dose of hydroxocobalamin in cobalamin C (cblC) defect. *Molecular Genetics and Metabolism*, **2013**, 109, 329-30	3.7	9
61	Protein glutathionylation in cardiovascular diseases. *International Journal of Molecular Sciences*, **2013**, 14, 20845-76	6.3	63
60	Glutathione S-transferase P1-1 as a target for mesothelioma treatment. *Cancer Science*, **2013**, 104, 223-30	3.9	16

59	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. *Cardiovascular and Hematological Agents in Medicinal Chemistry*, **2013**, 11, 187-93	1.9	
58	The use of muscle biopsy in the diagnosis of undefined ataxia with cerebellar atrophy in children. *European Journal of Paediatric Neurology*, **2012**, 16, 248-56	3.8	26
57	S-Glutathionylation signaling in cell biology: progress and prospects. *European Journal of Pharmaceutical Sciences*, **2012**, 46, 279-92	5.1	129
56	Redox homeostasis and posttranslational modifications/activity of phosphatase and tensin homolog in hepatocytes from rats with diet-induced hepatosteatosis. *Journal of Nutritional Biochemistry*, **2012**, 23, 169-78	6.3	13
55	All glutathione forms are depleted in blood of obese and type 1 diabetic children. *Pediatric Diabetes*, **2012**, 13, 272-7	3.6	17
54	EPI-743 reverses the progression of the pediatric mitochondrial disease--genetically defined Leigh Syndrome. *Molecular Genetics and Metabolism*, **2012**, 107, 383-8	3.7	138
53	Studying nonobstructive azoospermia in cystinosis: histologic examination of testes and epididymis and sperm analysis in a Ctns?/? mouse model. *Fertility and Sterility*, **2012**, 98, 162-5	4.8	1
52	Pediatric reference intervals for muscle coenzyme Q(10). *Biomarkers*, **2012**, 17, 764-6	2.6	2
51	Brown-Vialetto-van Laere and Fazio-Londe overlap syndromes: a clinical, biochemical and genetic study. *Neuromuscular Disorders*, **2012**, 22, 1075-82	2.9	32
50	Characterization of a new trabectedin-resistant myxoid liposarcoma cell line that shows collateral sensitivity to methylating agents. *International Journal of Cancer*, **2012**, 131, 59-69	7.5	22
49	Erythrocyte glutathione transferase: a potential new biomarker in chronic kidney diseases which correlates with plasma homocysteine. *Amino Acids*, **2012**, 43, 347-54	3.5	32
48	Creatine metabolism in urea cycle defects. *Journal of Inherited Metabolic Disease*, **2012**, 35, 647-53	5.4	19
47	Emodin prevents intrahepatic fat accumulation, inflammation and redox status imbalance during diet-induced hepatosteatosis in rats. *International Journal of Molecular Sciences*, **2012**, 13, 2276-89	6.3	40
46	Protein glutathionylation in cellular compartments: a constitutive redox signal. *Redox Report*, **2012**, 17, 63-71	5.9	6
45	Treatment of doxorubicin-resistant MCF7/Dx cells with nitric oxide causes histone glutathionylation and reversal of drug resistance. *Biochemical Journal*, **2011**, 440, 175-83	3.8	69
44	Effect of protein glutathionylation on neuronal cytoskeleton: a potential link to neurodegeneration. *Neuroscience*, **2011**, 192, 285-94	3.9	24
43	Transcriptional and posttranscriptional regulation of the CTNS gene. *Pediatric Research*, **2011**, 70, 130-5	3.2	4
42	Susceptibility of isolated myofibrils to in vitro glutathionylation: Potential relevance to muscle functions. *Cytoskeleton*, **2010**, 67, 81-9	2.4	16

41	GSSG-mediated Complex I defect in isolated cardiac mitochondria. *International Journal of Molecular Medicine*, **2010**, 26, 95-9	4.4	23
40	Long-term outcome of nephropathic cystinosis: a 20-year single-center experience. *Pediatric Nephrology*, **2010**, 25, 2459-67	3.2	51
39	Modulation of CTNS gene expression by intracellular thiols. *Free Radical Biology and Medicine*, **2010**, 48, 865-72	7.8	25
38	High performance liquid chromatographic determination of plasma free and total tazobactam and piperacillin. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2009**, 877, 86-8	3.2	17
37	Glutathionylation of p65NF-kappaB correlates with proliferating/apoptotic hepatoma cells exposed to pro- and anti-oxidants. *International Journal of Molecular Medicine*, **2009**, 24, 319-26	4.4	16
36	Myosin as a potential redox-sensor: an in vitro study. *Journal of Muscle Research and Cell Motility*, **2008**, 29, 119-26	3.5	32
35	Cystinuria in children and young adults: success of monitoring free-cystine urine levels. *Pediatric Nephrology*, **2007**, 22, 1869-73	3.2	34
34	COQ2 nephropathy: a newly described inherited mitochondriopathy with primary renal involvement. *Journal of the American Society of Nephrology: JASN*, **2007**, 18, 2773-80	12.7	265
33	Protein glutathionylation in human central nervous system: potential role in redox regulation of neuronal defense against free radicals. *Journal of Neuroscience Research*, **2006**, 83, 256-63	4.4	48
32	Impaired activity of the gamma-glutamyl cycle in nephropathic cystinosis fibroblasts. *Pediatric Research*, **2006**, 59, 332-5	3.2	41
31	Effects of folic acid before and after vitamin B12 on plasma homocysteine concentrations in hemodialysis patients with known MTHFR genotypes. *Clinical Chemistry*, **2006**, 52, 145-8	5.5	33
30	Long-term renal function in heart transplant children on cyclosporine treatment. *Pediatric Nephrology*, **2006**, 21, 561-5	3.2	13
29	Serum homocysteine, methylenetetrahydrofolate reductase gene polymorphism and cardiovascular disease in heterozygous familial hypercholesterolemia. *Atherosclerosis*, **2005**, 179, 333-8	3.1	20
28	Glutathione metabolism and antioxidant enzymes in patients affected by nonalcoholic steatohepatitis. *Clinica Chimica Acta*, **2005**, 355, 105-11	6.2	61
27	Simultaneous determination of ubiquinol and ubiquinone in skeletal muscle of pediatric patients. *Analytical Biochemistry*, **2005**, 342, 352-5	3.1	15
26	Nitrosylation of human glutathione transferase P1-1 with dinitrosyl diglutathionyl iron complex in vitro and in vivo. *Journal of Biological Chemistry*, **2005**, 280, 42172-80	5.4	102
25	Selective adsorption of homocysteine using an HFR-ON LINE technique. *Artificial Organs*, **2004**, 28, 592-5	2.6	6
24	Determination of glutathionyl-hemoglobin in human erythrocytes by cation-exchange high-performance liquid chromatography. *Analytical Biochemistry*, **2003**, 312, 85-90	3.1	27

23	Analysis of glutathione: implication in redox and detoxification. *Clinica Chimica Acta*, **2003**, 333, 19-39	6.2	809
22	Glutathione metabolism and antioxidant enzymes in children with Down syndrome. *Journal of Pediatrics*, **2003**, 142, 583-5	3.6	46
21	Actin glutathionylation increases in fibroblasts of patients with Friedreich's ataxia: a potential role in the pathogenesis of the disease. *Journal of Biological Chemistry*, **2003**, 278, 42588-95	5.4	125
20	Role of GST P1-1 in mediating the effect of etoposide on human neuroblastoma cell line Sh-Sy5y. *Journal of Cellular Biochemistry*, **2002**, 86, 340-7	4.7	25
19	Rapid determination of mycophenolic acid in plasma by reversed-phase high-performance liquid chromatography. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2002**, 776, 251-4	3.2	19
18	Antioxidant enzymes in blood of patients with Friedreich's ataxia. *Archives of Disease in Childhood*, **2002**, 86, 376-9	2.2	55
17	Determination of superoxide dismutase and glutathione peroxidase activities in blood of healthy pediatric subjects. *Clinica Chimica Acta*, **2002**, 322, 117-20	6.2	28
16	Renal hemodynamic effect of tacrolimus in renal transplanted children. *Pediatric Nephrology*, **2001**, 16, 773-6	3.2	2
15	Extracorporeal dialysis in neonatal hyperammonemia: modalities and prognostic indicators. *Pediatric Nephrology*, **2001**, 16, 862-7	3.2	152
14	Glutathione in blood of patients with Friedreich's ataxia. *European Journal of Clinical Investigation*, **2001**, 31, 1007-11	4.6	138
13	Simultaneous determination of inulin and p-aminohippuric acid in plasma and urine by reversed-phase high-performance liquid chromatography. *Biomedical Applications*, **2001**, 751, 187-91		23
12	Determination of Blood Total, Reduced, and Oxidized Glutathione in Pediatric Subjects. *Clinical Chemistry*, **2001**, 47, 1467-1469	5.5	142
11	Tissue Factor and Homocysteine Levels in Ischemic Heart Disease Are Associated with Angiographically Documented Clinical Recurrences after Coronary Angioplasty. *Thrombosis and Haemostasis*, **2000**, 83, 826-832	7	38
10	Lack of association between carotid intima-media thickness and methylenetetrahydrofolate reductase gene polymorphism or serum homocysteine in non-insulin-dependent diabetes mellitus. *Metabolism: Clinical and Experimental*, **2000**, 49, 718-23	12.7	29
9	Semiautomated Method for Determination of Cystine Concentration in Polymorphonuclear Leukocytes. *Clinical Chemistry*, **2000**, 46, 560-576	5.5	4
8	Pyroglutamic aciduria and nephropathic cystinosis. *Journal of Inherited Metabolic Disease*, **1999**, 22, 224-6	5.4	18
7	Serum homocysteine, MTHFR gene polymorphism, and carotid intimal-medial thickness in NIDDM subjects. *Journal of Thrombosis and Thrombolysis*, **1999**, 8, 207-12	5.1	9
6	Purification and characterization of a novel alpha-class glutathione transferase from human liver. *International Journal of Biochemistry and Cell Biology*, **1998**, 30, 1235-43	5.6	2

5	Common mutation in methylenetetrahydrofolate reductase. Correlation with homocysteine and other risk factors for vascular disease. *Atherosclerosis*, **1998**, 139, 377-83	3.1	47
4	Fully automated assay for total homocysteine, cysteine, cysteinylglycine, glutathione, cysteamine, and 2-mercaptopropionylglycine in plasma and urine. *Clinical Chemistry*, **1998**, 44, 825-832	5.5	222
3	Site-directed mutagenesis of human glutathione transferase P1-1. Mutation of Cys-47 induces a positive cooperativity in glutathione transferase P1-1. *Journal of Biological Chemistry*, **1995**, 270, 1243-8	5.4	81
2	Colorimetric and fluorometric assays of glutathione transferase based on 7-chloro-4-nitrobenzo-2-oxa-1,3-diazole. *Analytical Biochemistry*, **1994**, 218, 463-5	3.1	137
1	Conformational states of human placental glutathione transferase as probed by limited proteolysis. *Biochemical and Biophysical Research Communications*, **1993**, 194, 804-10	3.4	33