Anna Pastore

List of Publications by Year
in descending order

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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	Changes in Total Homocysteine and Glutathione Levels After Laparoscopic Sleeve Gastrectomy in Children with Metabolic-Associated Fatty Liver Disease. Obesity Surgery, 2021, , 1.	1.1	6
2	Cerebrospinal Fluid Levels of AFP and hCG: Validation of the Analytical Method and Application in the Diagnosis of Central Nervous System Germ Cell Tumors. Diagnostics, 2021, 11, 1980.	1.3	1
3	Drug Repurposing in Rare Diseases: An Integrative Study of Drug Screening and Transcriptomic Analysis in Nephropathic Cystinosis. International Journal of Molecular Sciences, 2021, 22, 12829.	1.8	11
4	Benefits and Toxicity of Disulfiram in Preclinical Models of Nephropathic Cystinosis. Cells, 2021, 10, 3294.	1.8	5
5	Detection of iron deficiency in children with Down syndrome. Genetics in Medicine, 2020, 22, 317-325.	1.1	10
6	Response to Zhang et al.. Genetics in Medicine, 2020, 22, 662-662.	1.1	0
7	A novel disorder involving dyshematopoiesis, inflammation, and HLH due to aberrant CDC42 function. Journal of Experimental Medicine, 2019, 216, 2778-2799.	4.2	132
8	Targeting oxidative stress improves disease outcomes in a rat model of acquired epilepsy. Brain, 2019, 142, e39-e39.	3.7	137
9	Intrinsic Bone Defects in Cystinotic Mice. American Journal of Pathology, 2019, 189, 1053-1064.	1.9	14
10	Pitfalls in the quantitative imaging of glutathione in living cells. Nature Communications, 2018, 9, 1588.	5.8	5
11	Cystinosis (ctns) zebrafish mutant shows pronephric glomerular and tubular dysfunction. Scientific Reports, 2017, 7, 42583.	1.6	36
12	Evaluation of carbohydrate-cysteamine thiazolidines as pro-drugs for the treatment of cystinosis. Carbohydrate Research, 2017, 439, 9-15.	1.1	9
13	Cystinosin-LKG rescues cystine accumulation and decreases apoptosis rate in cystinotic proximal tubular epithelial cells. Pediatric Research, 2017, 81, 113-119.	1.1	9
14	Nrf2-Inducers Counteract Neurodegeneration in Frataxin-Silenced Motor Neurons: Disclosing New Therapeutic Targets for Friedreichâ€™s Ataxia. International Journal of Molecular Sciences, 2017, 18, 2173.	1.8	58
15	Reverseâ€phase highâ€performance liquid chromatography for the simultaneous determination of sildenafil and Nâ€desmethyl sildenafil in plasma of children. Biomedical Chromatography, 2016, 30, 2070-2073.	0.8	7
16	Frataxin silencing alters microtubule stability in motor neurons: implications for Friedreichâ€™s ataxia. Human Molecular Genetics, 2016, 25, 4288-4301.	1.4	27
17	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.	0.9	7
18	Activation of the transcription factor EB rescues lysosomal abnormalities in cystinotic kidney cells. Kidney International, 2016, 89, 862-873.	2.6	85

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19	Altered mTOR signalling in nephropathic cystinosis. Journal of Inherited Metabolic Disease, 2016, 39, 457-464.	1.7	45
20	Systemic Redox Biomarkers in Neurodegenerative Diseases. Current Drug Metabolism, 2015, 16, 46-70.	0.7	6
21	Homocysteine, cysteine, folate and vitamin B12 status in type 2 diabetic patients with chronic kidney disease. Journal of Nephrology, 2015, 28, 571-576.	0.9	39
22	The proteome of cblC defect: in vivo elucidation of altered cellular pathways in humans. Journal of Inherited Metabolic Disease, 2015, 38, 969-979.	1.7	34
23	Influence of dialysis techniques and alternate vitamin supplementation on homocysteine levels in patients with known MTHFR genotypes. Clinical and Experimental Nephrology, 2015, 19, 140-145.	0.7	7
24	Endo-Lysosomal Dysfunction in Human Proximal Tubular Epithelial Cells Deficient for Lysosomal Cystine Transporter Cystinosin. PLoS ONE, 2015, 10, e0120998.	1.1	47
25	The fine-tuning of TRAF2â€“GSTP1-1 interaction: effect of ligand binding and in situ detection of the complex. Cell Death and Disease, 2014, 5, e1015-e1015.	2.7	31
26	Frataxin Silencing Inactivates Mitochondrial Complex I in NSC34 Motoneuronal Cells and Alters Glutathione Homeostasis. International Journal of Molecular Sciences, 2014, 15, 5789-5806.	1.8	22
27	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, 21202-21214.	1.8	84
28	Erythrocyte glutathione transferase activity: a possible early biomarker for blood toxicity in uremic diabetic patients. Acta Diabetologica, 2014, 51, 219-224.	1.2	32
29	Gender-related effects on urine l-cystine metastability. Amino Acids, 2014, 46, 415-427.	1.2	6
30	Glutathione metabolism in cobalamin deficiency type C (cblC). Journal of Inherited Metabolic Disease, 2014, 37, 125-129.	1.7	46
31	A new simple and rapid LCâ€“ESI-MS/MS method for quantification of plasma oxysterols as dimethylaminobutyrate esters. Its successful use for the diagnosis of Niemannâ€“Pick type C disease. Clinica Chimica Acta, 2014, 437, 93-100.	0.5	62
32	Effects of levosimendan on mitochondrial function in patients withÂseptic shock: A randomized trial. Biochimie, 2014, 102, 166-173.	1.3	41
33	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, 2014, 11, 187-193.	0.4	1
34	Glutathione: A redox signature in monitoring EPI-743 therapy in children with mitochondrial encephalomyopathies. Molecular Genetics and Metabolism, 2013, 109, 208-214.	0.5	49
35	Glutathione imbalance in patients with X-linked adrenoleukodystrophy. Molecular Genetics and Metabolism, 2013, 109, 366-370.	0.5	39
36	Optimizing the dose of hydroxocobalamin in cobalamin C (cblC) defect. Molecular Genetics and Metabolism, 2013, 109, 329-330.	0.5	10

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37	Protein Glutathionylation in Cardiovascular Diseases. International Journal of Molecular Sciences, 2013, 14, 20845-20876.	1.8	81
38	Glutathione <scp>S</scp>â€transferase <scp>P</scp>1â€1 as a target for mesothelioma treatment. Cancer Science, 2013, 104, 223-230.	1.7	20
39	Emodin Prevents Intrahepatic Fat Accumulation, Inflammation and Redox Status Imbalance During Diet-Induced Hepatosteatosis in Rats. International Journal of Molecular Sciences, 2012, 13, 2276-2289.	1.8	48
40	Protein glutathionylation in cellular compartments: A constitutive redox signal. Redox Report, 2012, 17, 63-71.	1.4	8
41	EPI-743 reverses the progression of the pediatric mitochondrial diseaseâ€"Genetically defined Leigh Syndrome. Molecular Genetics and Metabolism, 2012, 107, 383-388.	0.5	163
42	Glutathione Status in MMACHC Patients. Free Radical Biology and Medicine, 2012, 53, S69-S70.	1.3	0
43	Studying nonobstructive azoospermia in cystinosis: histologicÂexamination of testes andÂepididymis and sperm analysis inÂa Ctnsâ^'/â^' mouse model. Fertility and Sterility, 2012, 98, 162-165.	0.5	2
44	Pediatric reference intervals for muscle coenzyme Q10. Biomarkers, 2012, 17, 764-766.	0.9	2
45	Brownâ€"Vialettoâ€"van Laere and Fazioâ€"Londe overlap syndromes: A clinical, biochemical and genetic study. Neuromuscular Disorders, 2012, 22, 1075-1082.	0.3	36
46	Characterization of a new trabectedinâ€resistant myxoid liposarcoma cell line that shows collateral sensitivity to methylating agents. International Journal of Cancer, 2012, 131, 59-69.	2.3	22
47	Erythrocyte glutathione transferase: a potential new biomarker in chronic kidney diseases which correlates with plasma homocysteine. Amino Acids, 2012, 43, 347-354.	1.2	35
48	Creatine metabolism in urea cycle defects. Journal of Inherited Metabolic Disease, 2012, 35, 647-653.	1.7	22
49	The use of muscle biopsy in the diagnosis of undefined ataxia with cerebellar atrophy in children. European Journal of Paediatric Neurology, 2012, 16, 248-256.	0.7	39
50	S-Glutathionylation signaling in cell biology: Progress and prospects. European Journal of Pharmaceutical Sciences, 2012, 46, 279-292.	1.9	152
51	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, 169-178.	1.9	14
52	All glutathione forms are depleted in blood of obese and type 1 diabetic children. Pediatric Diabetes, 2012, 13, 272-277.	1.2	23
53	Treatment of doxorubicin-resistant MCF7/Dx cells with nitric oxide causes histone glutathionylation and reversal of drug resistance. Biochemical Journal, 2011, 440, 175-183.	1.7	77
54	Effect of protein glutathionylation on neuronal cytoskeleton: a potential link to neurodegeneration. Neuroscience, 2011, 192, 285-294.	1.1	29

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55	Transcriptional and Posttranscriptional Regulation of the CTNS Gene. Pediatric Research, 2011, 70, 130-135.	1.1	4
56	Susceptibility of isolated myofibrils to in vitro glutathionylation: Potential relevance to muscle functions. Cytoskeleton, 2010, 67, 81-89.	1.0	20
57	GSSG-mediated Complex I defect in isolated cardiac mitochondria. International Journal of Molecular Medicine, 2010, 26, 95-9.	1.8	26
58	Long-term outcome of nephropathic cystinosis: a 20-year single-center experience. Pediatric Nephrology, 2010, 25, 2459-2467.	0.9	66
59	Modulation of CTNS gene expression by intracellular thiols. Free Radical Biology and Medicine, 2010, 48, 865-872.	1.3	26
60	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, 86-88.	1.2	18
61	Glutathionylation of p65NF-Î²B correlates with proliferating/apoptotic hepatoma cells exposed to pro- and anti-oxidants. International Journal of Molecular Medicine, 2009, 24, 319-26.	1.8	18
62	Myosin as a potential redox-sensor: an inÂvitro study. Journal of Muscle Research and Cell Motility, 2008, 29, 119-126.	0.9	37
63	COQ2 Nephropathy. Journal of the American Society of Nephrology: JASN, 2007, 18, 2773-2780.	3.0	297
64	Cystinuria in children and young adults: success of monitoring free-cystine urine levels. Pediatric Nephrology, 2007, 22, 1869-1873.	0.9	44
65	Long-term renal function in heart transplant children on cyclosporine treatment. Pediatric Nephrology, 2006, 21, 561-565.	0.9	15
66	Protein glutathionylation in human central nervous system: Potential role in redox regulation of neuronal defense against free radicals. Journal of Neuroscience Research, 2006, 83, 256-263.	1.3	50
67	Impaired Activity of the Î³-Glutamyl Cycle in Nephropathic Cystinosis Fibroblasts. Pediatric Research, 2006, 59, 332-335.	1.1	43
68	Effects of Folic Acid Before and After Vitamin B12 on Plasma Homocysteine Concentrations in Hemodialysis Patients with Known MTHFR Genotypes. Clinical Chemistry, 2006, 52, 145-148.	1.5	33
69	Simultaneous determination of ubiquinol and ubiquinone in skeletal muscle of pediatric patients. Analytical Biochemistry, 2005, 342, 352-355.	1.1	15
70	Nitrosylation of Human Glutathione Transferase P1-1 with Dinitrosyl Diglutathionyl Iron Complex in Vitro and in Vivo. Journal of Biological Chemistry, 2005, 280, 42172-42180.	1.6	109
71	Serum homocysteine, methylenetetrahydrofolate reductase gene polymorphism and cardiovascular disease in heterozygous familial hypercholesterolemia. Atherosclerosis, 2005, 179, 333-338.	0.4	24
72	Glutathione metabolism and antioxidant enzymes in patients affected by nonalcoholic steatohepatitis. Clinica Chimica Acta, 2005, 355, 105-111.	0.5	68

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73	Selective Adsorption of Homocysteine Using an HFR-ON LINE Technique. Artificial Organs, 2004, 28, 592-595.	1.0	11
74	Determination of glutathionyl-hemoglobin in human erythrocytes by cation-exchange high-performance liquid chromatography. Analytical Biochemistry, 2003, 312, 85-90.	1.1	28
75	Analysis of glutathione: implication in redox and detoxification. Clinica Chimica Acta, 2003, 333, 19-39.	0.5	931
76	Glutathione metabolism and antioxidant enzymes in children with down syndrome. Journal of Pediatrics, 2003, 142, 583-585.	0.9	56
77	Actin Glutathionylation Increases in Fibroblasts of Patients with Friedreich's Ataxia. Journal of Biological Chemistry, 2003, 278, 42588-42595.	1.6	142
78	Antioxidant enzymes in blood of patients with Friedreich's ataxia. Archives of Disease in Childhood, 2002, 86, 376-379.	1.0	59
79	Determination of superoxide dismutase and glutathione peroxidase activities in blood of healthy pediatric subjects. Clinica Chimica Acta, 2002, 322, 117-120.	0.5	34
80	Role of GST P1-1 in mediating the effect of etoposide on human neuroblastoma cell line Sh-Sy5y. Journal of Cellular Biochemistry, 2002, 86, 340-347.	1.2	27
81	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, 251-254.	1.2	22
82	Determination of Blood Total, Reduced, and Oxidized Glutathione in Pediatric Subjects. Clinical Chemistry, 2001, 47, 1467-1469.	1.5	173
83	Renal hemodynamic effect of tacrolimus in renal transplanted children. Pediatric Nephrology, 2001, 16, 773-776.	0.9	2
84	Extracorporeal dialysis in neonatal hyperammonemia: modalities and prognostic indicators. Pediatric Nephrology, 2001, 16, 862-867.	0.9	167
85	Glutathione in blood of patients with Friedreich's ataxia. European Journal of Clinical Investigation, 2001, 31, 1007-1011.	1.7	154
86	Simultaneous determination of inulin and p-aminohippuric acid in plasma and urine by reversed-phase high-performance liquid chromatography. Biomedical Applications, 2001, 751, 187-191.	1.7	25
87	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.	1.8	43
88	Lack of association between carotid intima-media thickness and methylenetetrahydrofolate reductase gene polymorphism or serum homocysteine in nonâ€”insulin-dependent diabetes mellitus. Metabolism: Clinical and Experimental, 2000, 49, 718-723.	1.5	32
89	Semiautomated Method for Determination of Cystine Concentration in Polymorphonuclear Leukocytes. Clinical Chemistry, 2000, 46, 560-576.	1.5	8
90	Pyroglutamic aciduria and nephropathic cystinosis. Journal of Inherited Metabolic Disease, 1999, 22, 224-226.	1.7	23

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91	Serum homocysteine, MTHFR gene polymorphism, and carotid intimal-medial thickness in NIDDM subjects. Journal of Thrombosis and Thrombolysis, 1999, 8, 207-212.	1.0	9
92	Purification and characterization of a novel alpha-class glutathione transferase from human liver. International Journal of Biochemistry and Cell Biology, 1998, 30, 1235-1243.	1.2	2
93	Common mutation in methylenetetrahydrofolate reductase. Correlation with homocysteine and other risk factors for vascular disease. Atherosclerosis, 1998, 139, 377-383.	0.4	49
94	Fully automated assay for total homocysteine, cysteine, cysteinylglycine, glutathione, cysteamine, and 2-mercaptopropionylglycine in plasma and urine. Clinical Chemistry, 1998, 44, 825-832.	1.5	242
95	Site-directed Mutagenesis of Human Glutathione Transferase P1-1. Journal of Biological Chemistry, 1995, 270, 1243-1248.	1.6	87
96	Colorimetric and Fluorometric Assays of Glutathione Transferase Based on 7-Chloro-4-nitrobenzo-2-oxa-1,3-diazole. Analytical Biochemistry, 1994, 218, 463-465.	1.1	142
97	Conformational States of Human Placental Glutathione Transferase as Probed by Limited Proteolysis. Biochemical and Biophysical Research Communications, 1993, 194, 804-810.	1.0	34