Giovanna Boumis

List of Publications by Year
in descending order

30	1,164	394421 19	454955 30
papers	citations	h-index	g-index

31	31	31	1749
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cytosolic localization and inâ€‰vitro assembly of human deâ€‰novo thymidylate synthesis complex. FEBS Journal, 2022, 289, 1625-1649.	4.7	3
2	The Emerging Role of Amino Acids of the Brain Microenvironment in the Process of Metastasis Formation. Cancers, 2021, 13, 2891.	3.7	4
3	Cytosolic serine hydroxymethyltransferase controls lung adenocarcinoma cells migratory ability by modulating AMP kinase activity. Cell Death and Disease, 2020, 11, 1012.	6.3	11
4	A comparative analysis ofÂsecreted protein disulfide isomerases from the tropical co-endemic parasites Schistosoma mansoni and Leishmania major. Scientific Reports, 2019, 9, 9568.	3.3	6
5	Fragment-Based Discovery of a Regulatory Site in Thioredoxin Glutathione Reductase Acting as â€œDoorstopâ€•for NADPH Entry. ACS Chemical Biology, 2018, 13, 2190-2202.	3.4	25
6	Typical 2-Cys peroxiredoxins in human parasites: Several physiological roles for a potential chemotherapy target. Molecular and Biochemical Parasitology, 2016, 206, 2-12.	1.1	24
7	Uncovering new structural insights for antimalarial activity from cost-effective aculeatin-like derivatives. Organic and Biomolecular Chemistry, 2015, 13, 2064-2077.	2.8	21
8	Selenocysteine robustness versus cysteine versatility: a hypothesis on the evolution of the moonlighting behaviour of peroxiredoxins. Biochemical Society Transactions, 2014, 42, 1768-1772.	3.4	6
9	Thioredoxin Reductase and its Inhibitors. Current Protein and Peptide Science, 2014, 15, 621-646.	1.4	111
10	Switching between the Alternative Structures and Functions of a 2-Cys Peroxiredoxin, by Site-Directed Mutagenesis. Journal of Molecular Biology, 2013, 425, 4556-4568.	4.2	50
11	Crystal structure of Plasmodium falciparum thioredoxin reductase, a validated drug target. Biochemical and Biophysical Research Communications, 2012, 425, 806-811.	2.1	25
12	Structure and function in native and pathological erythrocytes: A quantitative view from the nanoscale. Micron, 2012, 43, 1273-1286.	2.2	62
13	Moonlighting by Different Stressors: Crystal Structure of the Chaperone Species of a 2-Cys Peroxiredoxin. Structure, 2012, 20, 429-439.	3.3	102
14	On the mechanism and rate of gold incorporation into thiol-dependent flavoreductases. Journal of Inorganic Biochemistry, 2012, 108, 105-111.	3.5	48
15	Structural and functional characterization of Schistosoma mansoni Thioredoxin. Protein Science, 2011, 20, 1069-1076.	7.6	23
16	Macromolecular Bases of Antischistosomal Therapy. Current Topics in Medicinal Chemistry, 2011, 11, 2012-2028.	2.1	19
17	Clâ^’ and Fâ^’ anions regulate the architecture of protofibrils in fibrin gel. European Biophysics Journal, 2010, 39, 1001-1006.	2.2	11
18	The how, when, and why of the aging signals appearing on the human erythrocyte membrane: an atomic force microscopy study of surface roughness. Nanomedicine: Nanotechnology, Biology, and Medicine, 2010, 6, 760-768.	3.3	68

#	Article	IF	Citations
19	Combining crystallography and molecular dynamics: The case of Schistosoma mansoni phospholipid glutathione peroxidase. Proteins: Structure, Function and Bioinformatics, 2010, 78, 259-270.	2.6	30
20	Mapping the Catalytic Cycle of Schistosoma mansoni Thioredoxin Glutathione Reductase by X-ray Crystallography. Journal of Biological Chemistry, 2010, 285, 32557-32567.	3.4	63
21	Erythrocyte death in vitro induced by starvation in the absence of Ca2+. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 1047-1055.	2.6	20
22	Inhibition of Schistosoma mansoni Thioredoxin-glutathione Reductase by Auranofin. Journal of Biological Chemistry, 2009, 284, 28977-28985.	3.4	184
23	Glutathione reductase and thioredoxin reductase at the crossroad: The structure of Schistosoma mansoni thioredoxin glutathione reductase. Proteins: Structure, Function and Bioinformatics, 2008, 72, 936-945.	2.6	63
24	The Three-dimensional Structure of Two Redox States of Cyclophilin A from Schistosoma mansoni. Journal of Biological Chemistry, 2007, 282, 24851-24857.	3.4	29
25	Conformational changes of bovine Î²-trypsin and trypsinogen induced by divalent ions: An energy-dispersive X-ray diffraction and functional study. Archives of Biochemistry and Biophysics, 2006, 449, 157-163.	3.0	2
26	Simultaneous static and dynamic light scattering approach to the characterization of the different fibrin gel structures occurring by changing chloride concentration. Applied Physics Letters, 2005, 86, 183901.	3.3	24
27	Osmotic Resistance of High-Density Erythrocytes in Transglutaminase 2-Deficient Mice. Biochemical and Biophysical Research Communications, 2002, 291, 1123-1127.	2.1	13
28	A Novel Venombin B from Agkistrodon contortrix contortrix:â€‰ Evidence for Recognition Properties in the Surface around the Primary Specificity Pocket Different from Thrombin. Biochemistry, 2000, 39, 10294-10308.	2.5	40
29	Heterotropic Effectors Exert More Significant Strain on Monoligated than on Unligated Hemoglobin. Biophysical Journal, 1999, 76, 1532-1536.	0.5	15
30	Fast-reacting Thiols in Rat Hemoglobins Can Intercept Damaging Species in Erythrocytes More Efficiently Than Glutathione. Journal of Biological Chemistry, 1998, 273, 19198-19206.	3.4	60