

Giovanna Boumis

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,164
citations

394421

19
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

1749
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibition of <i>Schistosoma mansoni</i> Thioredoxin-glutathione Reductase by Auranofin. <i>Journal of Biological Chemistry</i> , 2009, 284, 28977-28985.	3.4	184
2	Thioredoxin Reductase and its Inhibitors. <i>Current Protein and Peptide Science</i> , 2014, 15, 621-646.	1.4	111
3	Moonlighting by Different Stressors: Crystal Structure of the Chaperone Species of a 2-Cys Peroxiredoxin. <i>Structure</i> , 2012, 20, 429-439.	3.3	102
4	The how, when, and why of the aging signals appearing on the human erythrocyte membrane: an atomic force microscopy study of surface roughness. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2010, 6, 760-768.	3.3	68
5	Glutathione reductase and thioredoxin reductase at the crossroad: The structure of <i>Schistosoma mansoni</i> thioredoxin glutathione reductase. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 72, 936-945.	2.6	63
6	Mapping the Catalytic Cycle of <i>Schistosoma mansoni</i> Thioredoxin Glutathione Reductase by X-ray Crystallography. <i>Journal of Biological Chemistry</i> , 2010, 285, 32557-32567.	3.4	63
7	Structure and function in native and pathological erythrocytes: A quantitative view from the nanoscale. <i>Micron</i> , 2012, 43, 1273-1286.	2.2	62
8	Fast-reacting Thiols in Rat Hemoglobins Can Intercept Damaging Species in Erythrocytes More Efficiently Than Glutathione. <i>Journal of Biological Chemistry</i> , 1998, 273, 19198-19206.	3.4	60
9	Switching between the Alternative Structures and Functions of a 2-Cys Peroxiredoxin, by Site-Directed Mutagenesis. <i>Journal of Molecular Biology</i> , 2013, 425, 4556-4568.	4.2	50
10	On the mechanism and rate of gold incorporation into thiol-dependent flavoreductases. <i>Journal of Inorganic Biochemistry</i> , 2012, 108, 105-111.	3.5	48
11	A Novel Venombin B from <i>Agkistrodon contortrix contortrix</i> : Evidence for Recognition Properties in the Surface around the Primary Specificity Pocket Different from Thrombin. <i>Biochemistry</i> , 2000, 39, 10294-10308.	2.5	40
12	Combining crystallography and molecular dynamics: The case of <i>Schistosoma mansoni</i> phospholipid glutathione peroxidase. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 259-270.	2.6	30
13	The Three-dimensional Structure of Two Redox States of Cyclophilin A from <i>Schistosoma mansoni</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 24851-24857.	3.4	29
14	Crystal structure of <i>Plasmodium falciparum</i> thioredoxin reductase, a validated drug target. <i>Biochemical and Biophysical Research Communications</i> , 2012, 425, 806-811.	2.1	25
15	Fragment-Based Discovery of a Regulatory Site in Thioredoxin Glutathione Reductase Acting as a "Doorstop" for NADPH Entry. <i>ACS Chemical Biology</i> , 2018, 13, 2190-2202.	3.4	25
16	Simultaneous static and dynamic light scattering approach to the characterization of the different fibrin gel structures occurring by changing chloride concentration. <i>Applied Physics Letters</i> , 2005, 86, 183901.	3.3	24
17	Typical 2-Cys peroxiredoxins in human parasites: Several physiological roles for a potential chemotherapy target. <i>Molecular and Biochemical Parasitology</i> , 2016, 206, 2-12.	1.1	24
18	Structural and functional characterization of <i>Schistosoma mansoni</i> Thioredoxin. <i>Protein Science</i> , 2011, 20, 1069-1076.	7.6	23

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19	Uncovering new structural insights for antimalarial activity from cost-effective aculeatin-like derivatives. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2064-2077.	2.8	21
20	Erythrocyte death in vitro induced by starvation in the absence of Ca ²⁺ . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1047-1055.	2.6	20
21	Macromolecular Bases of Antischistosomal Therapy. <i>Current Topics in Medicinal Chemistry</i> , 2011, 11, 2012-2028.	2.1	19
22	Heterotropic Effectors Exert More Significant Strain on Monoligated than on Unligated Hemoglobin. <i>Biophysical Journal</i> , 1999, 76, 1532-1536.	0.5	15
23	Osmotic Resistance of High-Density Erythrocytes in Transglutaminase 2-Deficient Mice. <i>Biochemical and Biophysical Research Communications</i> , 2002, 291, 1123-1127.	2.1	13
24	Cl ⁻ and Fâ ⁻ anions regulate the architecture of protofibrils in fibrin gel. <i>European Biophysics Journal</i> , 2010, 39, 1001-1006.	2.2	11
25	Cytosolic serine hydroxymethyltransferase controls lung adenocarcinoma cells migratory ability by modulating AMP kinase activity. <i>Cell Death and Disease</i> , 2020, 11, 1012.	6.3	11
26	Selenocysteine robustness versus cysteine versatility: a hypothesis on the evolution of the moonlighting behaviour of peroxiredoxins. <i>Biochemical Society Transactions</i> , 2014, 42, 1768-1772.	3.4	6
27	A comparative analysis of secreted protein disulfide isomerases from the tropical co-endemic parasites <i>Schistosoma mansoni</i> and <i>Leishmania major</i> . <i>Scientific Reports</i> , 2019, 9, 9568.	3.3	6
28	The Emerging Role of Amino Acids of the Brain Microenvironment in the Process of Metastasis Formation. <i>Cancers</i> , 2021, 13, 2891.	3.7	4
29	Cytosolic localization and <i>in vitro</i> assembly of human <i>de novo</i> thymidylate synthesis complex. <i>FEBS Journal</i> , 2022, 289, 1625-1649.	4.7	3
30	Conformational changes of bovine $\hat{1}^2$ -trypsin and trypsinogen induced by divalent ions: An energy-dispersive X-ray diffraction and functional study. <i>Archives of Biochemistry and Biophysics</i> , 2006, 449, 157-163.	3.0	2