Andrea Bellelli

List of Publications by Year
in descending order

74	2,120	218677	243625
papers	citations	26 h-index	44 g-index

74	74	74	2934
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hemoglobin allostery and pharmacology. Molecular Aspects of Medicine, 2022, 84, 101037.	6.4	10
2	Taking Advantage of the Morpheein Behavior of Peroxiredoxin in Bionanotechnology. Bioconjugate Chemistry, 2021, 32, 43-62.	3.6	8
3	Ectopic suicide inhibition of thioredoxin glutathione reductase. Free Radical Biology and Medicine, 2020, 147, 200-211.	2.9	10
4	Control of Oxygen Affinity in Mammalian Hemoglobins: Implications for a System Biology Description of the Respiratory Properties of the Red Blood Cell. Current Protein and Peptide Science, 2020, 21, 553-572.	1.4	5
5	Ligand-Linked Association-Dissociation in Transport Proteins and Hormone Receptors. Current Protein and Peptide Science, 2020, 21, 993-1010.	1.4	1
6	On the Measurement of Cooperativity and the Physico-Chemical Meaning of the Hill Coefficient. Current Protein and Peptide Science, 2019, 20, 861-872.	1.4	7
7	Apixaban Interacts with Haemoglobin: Effects on Its Plasma Levels. Thrombosis and Haemostasis, 2018, 118, 1701-1712.	3.4	4
8	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
9	Non-Allosteric Cooperativity in Hemoglobin. Current Protein and Peptide Science, 2018, 19, 573-588.	1.4	4
10	Gold-nanoparticles coated with the antimicrobial peptide esculentin-1a(1-21)NH2 as a reliable strategy for antipseudomonal drugs. Acta Biomaterialia, 2017, 47, 170-181.	8.3	135
11	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
12	One ring (or two) to hold them all â€“ on the structure and function of protein nanotubes. FEBS Journal, 2015, 282, 2827-2845.	4.7	19
13	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
14	Thioredoxin Reductase and its Inhibitors. Current Protein and Peptide Science, 2014, 15, 621-646.	1.4	111
15	Hemoglobin Allostery: New Views on Old Players. Journal of Molecular Biology, 2013, 425, 1515-1526.	4.2	12
16	Nitric oxide, substrate of Euphorbia characias peroxidase, switches off the CN^{â^’} inhibitory effect. FEBS Open Bio, 2012, 2, 305-312.	2.3	5
17	Crystal structure of Plasmodium falciparum thioredoxin reductase, a validated drug target. Biochemical and Biophysical Research Communications, 2012, 425, 806-811.	2.1	25
18	Moonlighting by Different Stressors: Crystal Structure of the Chaperone Species of a 2-Cys Peroxiredoxin. Structure, 2012, 20, 429-439.	3.3	102

#	Article	IF	Citations
19	On the mechanism and rate of gold incorporation into thiol-dependent flavoreductases. Journal of Inorganic Biochemistry, 2012, 108, 105-111.	3.5	48
20	Lathyrus cicera copper amine oxidase reactions with tryptamine. Journal of Inorganic Biochemistry, 2012, 109, 33-39.	3.5	4
21	Hemoglobin allostery: Variations on the theme. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 1262-1272.	1.0	31
22	Structural and functional characterization of Schistosoma mansoni Thioredoxin. Protein Science, 2011, 20, 1069-1076.	7.6	23
23	Macromolecular Bases of Antischistosomal Therapy. Current Topics in Medicinal Chemistry, 2011, 11, 2012-2028.	2.1	19
24	Hemoglobin and Cooperativity: Experiments and Theories. Current Protein and Peptide Science, 2010, 11, 2-36.	1.4	34
25	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
26	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
27	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
28	Inhibition of Schistosoma mansoni Thioredoxin-glutathione Reductase by Auranofin. Journal of Biological Chemistry, 2009, 284, 28977-28985.	3.4	184
29	Nucleotide pyrophosphatase/phosphodiesterase from Euphorbia characias latex: Purification and characterization. Plant Science, 2009, 177, 636-642.	3.6	12
30	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
31	Allosteric modulation of Euphorbia peroxidase by nickel ions. FEBS Journal, 2008, 275, 1201-1212.	4.7	4
32	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
33	Probing the Mechanism of GSH Activation in Schistosoma haematobium Glutathione-S-transferase by Site-directed Mutagenesis and X-ray Crystallography. Journal of Molecular Biology, 2006, 360, 678-689.	4.2	20
34	Demonstration of Long-Range Interactions in a PDZ Domain by NMR, Kinetics, and Protein Engineering. Structure, 2006, 14, 1801-1809.	3.3	103
35	The Allosteric Properties of Hemoglobin: Insights from Natural and Site Directed Mutants. Current Protein and Peptide Science, 2006, 7, 17-45.	1.4	46
36	A novel thermostable hemoglobin from the actinobacterium Thermobifida fusca. FEBS Journal, 2005, 272, 4189-4201.	4.7	48

#	Article	IF	Citations
37	Insights into the Catalytic Mechanism of Glutathione S-Transferase: The Lesson from Schistosoma haematobium. Structure, 2005, 13, 1241-1246.	3.3	46
38	Control of the active site structure of giant bilayer hemoglobin from the AnnelidEisenia foetidausing hierarchic assemblies. Applied Physics Letters, 2005, 87, 233901.	3.3	2
39	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
40	Why are polygenic hereditary diseases so difficult to investigate? An exercise of theoretical enzymology. Italian Journal of Biochemistry, 2005, 54, 229-31.	0.3	0
41	Mouse spermine oxidase: a model of the catalytic cycle and its inhibition by N,N1-bis(2,3-butadienyl)-1,4-butanediamine. Biochemical and Biophysical Research Communications, 2004, 322, 1-8.	2.1	39
42	Approaches to the Engineering of Hemoglobinâ€Based Oxygen Carriers. Transfusion Alternatives in Transfusion Medicine, 2004, 5, 516-520.	0.2	5
43	Proton Linkage for CO Binding and Redox Properties of Bovine Lactoperoxidase. Biophysical Journal, 2004, 86, 448-454.	0.5	15
44	Should we teach homeopathy to our medical students?. Italian Journal of Biochemistry, 2004, 53, 125-9.	0.3	0
45	Permanent training in medicine: the view point of a biochemist. Italian Journal of Biochemistry, 2003, 52, 2-5.	0.3	0
46	On the proposed reformation of university professorship in Italy. Italian Journal of Biochemistry, 2003, 52, 63-6.	0.3	0
47	Aminoglycosides as substrates and inhibitors of peroxidases: a possible role of these antibiotics against myeloperoxidase-dependent cytotoxicity. The Protein Journal, 2002, 21, 97-104.	1.1	0
48	Irreversible inhibition of pig kidney copper-containing amine oxidase by sodium and lithium ions. FEBS Journal, 2001, 268, 4686-4697.	0.2	16
49	The Reductive and Oxidative Halfâ€Reactions and the Role of Copper Ions in Plant and Mammalian Copperâ^'Amine Oxidases. European Journal of Inorganic Chemistry, 2001, 2001, 35-42.	2.0	31
50	Fast Coordination Changes in Cytochrome c Do Not Necessarily Imply Folding. Journal of Biological Chemistry, 2001, 276, 41073-41078.	3.4	29
51	Molecular mode of interaction of plant amine oxidase with the mechanism-based inhibitor 2-butyne-1,4-diamine. FEBS Journal, 2000, 267, 1423-1433.	0.2	19
52	The oxidation and reduction reactions of bovine serum amine oxidase. FEBS Journal, 2000, 267, 3264-3269.	0.2	33
53	Studies onPseudomonas aeruginosacd1nitrite reductase: The association and dissociation reactions of the d1-heme. Israel Journal of Chemistry, 2000, 40, 27-33.	2.3	2
54	Modulation of mitochondrial respiration by nitric oxide: investigation by single cell fluorescence microscopy. FASEB Journal, 1999, 13, 191-197.	0.5	71

#	Article	IF	Citations
55	Cul-semiquinone radical species in plant copper-amine oxidases. FEBS Letters, 1999, 453, 1-5.	2.8	33
56	Modulation of ligand binding in engineered human hemoglobin distal pocket. Journal of Molecular Biology, 1999, 290, 515-524.	4.2	27
57	Stabilization of the T-state of ferrous human adult and fetal hemoglobin by Ln(III) complexes: A thermodynamic study. Journal of Inorganic Biochemistry, 1998, 71, 37-43.	3.5	15
58	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
59	Transient Kinetics of Polyamine Oxidase fromZea maysL. Archives of Biochemistry and Biophysics, 1997, 343, 146-148.	3.0	9
60	The Unusual Stability of Saporin, a Candidate for the Synthesis of Immunotoxins. Biochemical and Biophysical Research Communications, 1997, 234, 129-132.	2.1	62
61	Mutagenesis of nitrite reductase fromPseudomonas aeruginosa: tyrosine-10 in the c heme domain is not involved in catalysis1. FEBS Letters, 1997, 412, 365-369.	2.8	39
62	A saporinâ€insulin conjugate: Synthesis and biochemical characterization. Natural Toxins, 1996, 4, 156-162.	1.0	6
63	Probing the Î±1Î²2 Interface of Human Hemoglobin by Mutagenesis. Journal of Biological Chemistry, 1996, 271, 12472-12480.	3.4	21
64	Intracellular dynamics of ricin followed by fluorescence microscopy on living cells reveals a rapid accumulation of the dimeric toxin in the Golgi apparatus. FEBS Letters, 1994, 344, 99-104.	2.8	10
65	[5] Optical measurements of quaternary structural changes in hemoglobin. Methods in Enzymology, 1994, 232, 56-71.	1.0	19
66	A ribosomal protein is specifically recognized by saporin, a plant toxin which inhibits protein synthesis. FEBS Letters, 1992, 298, 145-148.	2.8	27
67	Evolution of ruminant hemoglobins. Thermodynamic divergence of ox and buffalo hemoglobins. FEBS Journal, 1992, 204, 509-513.	0.2	10
68	On the problem of immunological detection of antigens in skeletal remains. American Journal of Physical Anthropology, 1991, 86, 429-432.	2.1	12
69	Effect of aromatic isothiocyanates on the functional properties of human hemoglobin. Biophysical Chemistry, 1990, 37, 293-302.	2.8	2
70	Cooperative ligand binding of crosslinked hemoglobins at very high temperatures. Journal of Molecular Biology, 1990, 213, 571-574.	4.2	7
71	Alteration of T-state binding properties of naturally glycated hemoglobin, HbA1c. Journal of Molecular Biology, 1988, 203, 233-239.	4.2	26
72	Is there a root effect inXenopushemoglobin?. FEBS Letters, 1987, 221, 161-166.	2.8	14

#	Article	IF	Citations
73	Evidence for two oxygen-linked binding sites for polyanions in dromedary hemoglobin. FEBS Journal, 1985, 150, 387-393.	0.2	36
74	Hemoglobins from Wistar Rat:. Crystallization of Components and Intraerythrocytic Crystals. FEBS Journal, 1982, 129, 459-463.	0.2	11