

Paolo Ascenzi

List of Publications by Year in descending order

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330
papers

13,716
citations

34105

52
h-index

31849

101
g-index

333
all docs

333
docs citations

333
times ranked

13828
citing authors

#	ARTICLE	IF	CITATIONS
1	Human serum albumin: From bench to bedside. <i>Molecular Aspects of Medicine</i> , 2012, 33, 209-290.	6.4	1,320
2	The extraordinary ligand binding properties of human serum albumin. <i>IUBMB Life</i> , 2005, 57, 787-796.	3.4	897
3	Estrogen Signaling Multiple Pathways to Impact Gene Transcription. <i>Current Genomics</i> , 2006, 7, 497-508.	1.6	493
4	Structure–function relationship of estrogen receptor α and β : Impact on human health. <i>Molecular Aspects of Medicine</i> , 2006, 27, 299-402.	6.4	445
5	Human Brain Neuroglobin Structure Reveals a Distinct Mode of Controlling Oxygen Affinity. <i>Structure</i> , 2003, 11, 1087-1095.	3.3	286
6	Retinoic acid receptors: From molecular mechanisms to cancer therapy. <i>Molecular Aspects of Medicine</i> , 2015, 41, 1-115.	6.4	284
7	Neuroglobin and cytoglobin. <i>EMBO Reports</i> , 2002, 3, 1146-1151.	4.5	273
8	Nuclear receptors CAR and PXR: Molecular, functional, and biomedical aspects. <i>Molecular Aspects of Medicine</i> , 2009, 30, 297-343.	6.4	246
9	Hemoglobin and heme scavenging. <i>IUBMB Life</i> , 2005, 57, 749-759.	3.4	227
10	Nonvertebrate hemoglobins: Structural bases for reactivity. <i>Progress in Biophysics and Molecular Biology</i> , 1997, 68, 29-68.	2.9	177
11	<i>Clostridium difficile</i> Toxins A and B: Insights into Pathogenic Properties and Extraintestinal Effects. <i>Toxins</i> , 2016, 8, 134.	3.4	173
12	The Bovine Basic Pancreatic Trypsin Inhibitor (Kunitz Inhibitor): A Milestone Protein. <i>Current Protein and Peptide Science</i> , 2003, 4, 231-251.	1.4	163
13	Allostery in a monomeric protein: The case of human serum albumin. <i>Biophysical Chemistry</i> , 2010, 148, 16-22.	2.8	162
14	Crystal Structure of Cytoglobin: The Fourth Globin Type Discovered in Man Displays Heme Hexa-coordination. <i>Journal of Molecular Biology</i> , 2004, 336, 917-927.	4.2	157
15	Allosteric Modulation of Drug Binding to Human Serum Albumin. <i>Mini-Reviews in Medicinal Chemistry</i> , 2006, 6, 483-489.	2.4	150
16	<i>Aplysia limacina</i> myoglobin. <i>Journal of Molecular Biology</i> , 1989, 205, 529-544.	4.2	143
17	Unusual structure of the oxygen-binding site in the dimeric bacterial hemoglobin from <i>Vitreoscilla</i> sp. <i>Structure</i> , 1997, 5, 497-507.	3.3	127
18	Simultaneous determination of 16 anti-HIV drugs in human plasma by high-performance liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 831, 258-266.	2.3	124

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19	Effect of ibuprofen and warfarin on the allosteric properties of haem-human serum albumin. FEBS Journal, 2001, 268, 6214-6220.	0.2	123
20	Heme-Ligand Tunneling in Group I Truncated Hemoglobins. Journal of Biological Chemistry, 2004, 279, 21520-21525.	3.4	117
21	Structural bases for heme binding and diatomic ligand recognition in truncated hemoglobins. Journal of Inorganic Biochemistry, 2005, 99, 97-109.	3.5	117
22	A TyrCD1/TrpG8 hydrogen bond network and a TyrB10-TyrCD1 covalent link shape the heme distal site of Mycobacterium tuberculosis hemoglobin O. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5766-5771.	7.1	111
23	Flavonoid binding to human serum albumin. Biochemical and Biophysical Research Communications, 2010, 398, 444-449.	2.1	108
24	Ibuprofen Induces an Allosteric Conformational Transition in the Heme Complex of Human Serum Albumin with Significant Effects on Heme Ligation. Journal of the American Chemical Society, 2008, 130, 11677-11688.	13.7	98
25	The Nutritional Flavanone Naringenin Triggers Antiestrogenic Effects by Regulating Estrogen Receptor β -Palmitoylation. Endocrinology, 2008, 149, 2567-2575.	2.8	96
26	Neuroglobin: From structure to function in health and disease. Molecular Aspects of Medicine, 2016, 52, 1-48.	6.4	91
27	Serum Albumin: A Multifaced Enzyme. International Journal of Molecular Sciences, 2021, 22, 10086.	4.1	83
28	Hsp90: A New Player in DNA Repair?. Biomolecules, 2015, 5, 2589-2618.	4.0	81
29	X-ray Crystal Structure of Ferric Aplysia limacina Myoglobin in Different Liganded States. Journal of Molecular Biology, 1993, 233, 498-508.	4.2	78
30	S-Nitrosylation of Viral Proteins: Molecular Bases for Antiviral Effect of Nitric Oxide. IUBMB Life, 1999, 48, 25-31.	3.4	78
31	Structural Bases for Sulfide Recognition in <i>Lucina pectinata</i> Hemoglobin I. Journal of Molecular Biology, 1996, 258, 1-5.	4.2	77
32	Structure of the Sulfide-reactive Hemoglobin from the Clam <i>Lucina pectinata</i> . Journal of Molecular Biology, 1994, 244, 86-99.	4.2	76
33	Serum hemealbumin: An allosteric protein. IUBMB Life, 2009, 61, 1118-1122.	3.4	73
34	17 β -Estradiol " A New Modulator of Neuroglobin Levels in Neurons: Role in Neuroprotection against H ₂ O ₂ -Induced Toxicity. NeuroSignals, 2010, 18, 223-235.	0.9	71
35	Absence of water at the sixth co-ordination site in ferric Aplysia myoglobin. Journal of Molecular Biology, 1981, 151, 315-319.	4.2	69
36	Re-Evaluation of Amino Acid Sequence and Structural Consensus Rules for Cysteine-Nitric Oxide Reactivity. Biological Chemistry, 2000, 381, 623-627.	2.5	68

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37	Inhibition of Cysteine Protease Activity by NO-donors. <i>Current Protein and Peptide Science</i> , 2001, 2, 137-153.	1.4	68
38	PCA3 in prostate cancer and tumor aggressiveness detection on 407 high-risk patients: a National Cancer Institute experience. <i>Journal of Experimental and Clinical Cancer Research</i> , 2015, 34, 15.	8.6	68
39	The 109 Residue Nerve Tissue Minihemoglobin from <i>Cerebratulus lacteus</i> Highlights Striking Structural Plasticity of the $\hat{1}\pm$ -Helical Globin Fold. <i>Structure</i> , 2002, 10, 725-735.	3.3	66
40	Cyanide Binding to Truncated Hemoglobins: A Crystallographic and Kinetic Study. <i>Biochemistry</i> , 2004, 43, 5213-5221.	2.5	65
41	X-ray crystal structure of the ferric sperm whale myoglobin: Imidazole complex at 2.0 Å... resolution. <i>Journal of Molecular Biology</i> , 1991, 217, 409-412.	4.2	64
42	Interaction between serine (pro)enzymes, and kazal and kunitz inhibitors. <i>Journal of Molecular Biology</i> , 1983, 165, 543-558.	4.2	62
43	Haptoglobin: From hemoglobin scavenging to human health. <i>Molecular Aspects of Medicine</i> , 2020, 73, 100851.	6.4	62
44	Cysteine Nitrosylation Inactivates the HIV-1 Protease. <i>Biochemical and Biophysical Research Communications</i> , 1998, 250, 575-576.	2.1	61
45	Heme impairs allosterically drug binding to human serum albumin Sudlow's site I. <i>Biochemical and Biophysical Research Communications</i> , 2005, 334, 481-486.	2.1	61
46	Catalytic properties of serine proteases. 2. Comparison between human urinary kallikrein and human urokinase, bovine .beta.-trypsin, bovine thrombin, and bovine .alpha.-chymotrypsin. <i>Biochemistry</i> , 1982, 21, 2483-2490.	2.5	58
47	Mapping protein matrix cavities in human cytoglobin through Xe atom binding. <i>Biochemical and Biophysical Research Communications</i> , 2004, 316, 1217-1221.	2.1	58
48	Nitric Oxide Inhibits Cruzipain, the Major Papain-like Cysteine Proteinase from <i>Trypanosoma cruzi</i> . <i>Biochemical and Biophysical Research Communications</i> , 2000, 270, 437-441.	2.1	56
49	Functional Modulation by Lactate of Myoglobin. <i>Journal of Biological Chemistry</i> , 1996, 271, 16999-17001.	3.4	54
50	Binding of Anti-HIV Drugs to Human Serum Albumin. <i>IUBMB Life</i> , 2004, 56, 609-614.	3.4	54
51	Structural Determinants in the Group III Truncated Hemoglobin from <i>Campylobacter jejuni</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 37803-37812.	3.4	54
52	Carbon monoxide: An unusual drug. <i>IUBMB Life</i> , 2012, 64, 378-386.	3.4	54
53	Reactivity of ferric Aplysia myoglobin towards anionic ligands in the acidic region. <i>Journal of Molecular Biology</i> , 1981, 146, 363-374.	4.2	53
54	Allosteric modulation of myristate and Mn(III)heme binding to human serum albumin. Optical and NMR spectroscopy characterization. <i>FEBS Journal</i> , 2005, 272, 4672-4683.	4.7	53

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55	Nitric Oxide Limits Parasite Development in Vectors and in Invertebrate Intermediate Hosts. IUBMB Life, 2002, 53, 121-123.	3.4	52
56	Clinical relevance of drug binding to plasma proteins. Journal of Molecular Structure, 2014, 1077, 4-13.	3.6	52
57	Reactivity and endogenous modification by nitrite and hydrogen peroxide: does human neuroglobin act only as a scavenger?. Biochemical Journal, 2007, 407, 89-99.	3.7	51
58	Mycobacterial truncated hemoglobins: From genes to functions. Gene, 2007, 398, 42-51.	2.2	51
59	CO metabolism, sensing, and signaling. BioFactors, 2012, 38, 1-13.	5.4	51
60	Molecular bases for the anti-parasitic effect of NO (Review). International Journal of Molecular Medicine, 2002, 9, 131-4.	4.0	50
61	S-Nitrosylation of Viral Proteins: Molecular Bases for Antiviral Effect of Nitric Oxide. IUBMB Life, 1999, 48, 25-31.	3.4	49
62	Nitric oxide binding to ferrous native horse heart cytochrome c and to its carboxymethylated derivative: A spectroscopic and thermodynamic Study. Journal of Inorganic Biochemistry, 1994, 53, 273-280.	3.5	48
63	Bishistidyl Heme Hexacoordination, a Key Structural Property in Drosophila melanogaster Hemoglobin. Journal of Biological Chemistry, 2005, 280, 27222-27229.	3.4	48
64	Mammalian nerve globins in search of functions. IUBMB Life, 2014, 66, 268-276.	3.4	48
65	NO donors inhibit Leishmania infantum cysteine proteinase activity. BBA - Proteins and Proteomics, 2001, 1545, 357-366.	2.1	47
66	Reversible hexa- to penta- coordination of the heme Fe atom modulates ligand binding properties of neuroglobin and cytoglobin. IUBMB Life, 2004, 56, 657-664.	3.4	47
67	Neuroglobin and neuronal cell survival. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 1744-1749.	2.3	46
68	Peroxynitrite- An ugly biofactor?. BioFactors, 2010, 36, 264-273.	5.4	45
69	Cardiolipin-cytochrome c complex: Switching cytochrome c from an electron-transfer shuttle to a myoglobin- and a peroxidase-like heme-protein. IUBMB Life, 2015, 67, 98-109.	3.4	45
70	Human Serum Albumin Is an Essential Component of the Host Defense Mechanism Against Clostridium difficile Intoxication. Journal of Infectious Diseases, 2018, 218, 1424-1435.	4.0	45
71	Ibuprofen binding to secondary sites allosterically modulates the spectroscopic and catalytic properties of human serum heme-albumin. FEBS Journal, 2011, 278, 654-662.	4.7	44
72	Direct Effect of Temperature on the Catalytic Activity of Nitric Oxide Synthases Types I, II, and III. Nitric Oxide - Biology and Chemistry, 1999, 3, 375-382.	2.7	43

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73	Archaeal protoglobin structure indicates new ligand diffusion paths and modulation of haem reactivity. <i>EMBO Reports</i> , 2008, 9, 157-163.	4.5	43
74	The heme-iron geometry of ferrous nitrosylated heme-serum lipoproteins, hemopexin, and albumin: a comparative EPR study. <i>Journal of Inorganic Biochemistry</i> , 2002, 91, 487-490.	3.5	42
75	Heme binding to albuminoid proteins is the result of recent evolution. <i>IUBMB Life</i> , 2007, 59, 436-440.	3.4	42
76	Nitric Oxide Inhibits the HIV-1 Reverse Transcriptase Activity. <i>Biochemical and Biophysical Research Communications</i> , 1999, 258, 624-627.	2.1	41
77	Structure-Function Relationships in the Growing Hexacoordinate Hemoglobin Subfamily. <i>IUBMB Life</i> , 2004, 56, 643-651.	3.4	41
78	Determination of abacavir, amprenavir, didanosine, efavirenz, nevirapine, and stavudine concentration in human plasma by MALDI-TOF/TOF. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 863, 249-257.	2.3	41
79	The truncated hemoglobin from <i>Mycobacterium leprae</i> . <i>Biochemical and Biophysical Research Communications</i> , 2002, 294, 1064-1070.	2.1	40
80	Determination of anti-HIV drug concentration in human plasma by MALDI-TOF/TOF. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 833, 109-116.	2.3	40
81	Ibuprofen Impairs Allosterically Peroxynitrite Isomerization by Ferric Human Serum Heme-Albumin. <i>Journal of Biological Chemistry</i> , 2009, 284, 31006-31017.	3.4	40
82	The key role played by charge in the interaction of cytochrome c with cardiolipin. <i>Journal of Biological Inorganic Chemistry</i> , 2017, 22, 19-29.	2.6	40
83	Structural Basis of Drug Recognition by Human Serum Albumin. <i>Current Medicinal Chemistry</i> , 2020, 27, 4907-4931.	2.4	40
84	Allosteric and binding properties of Asp1-Glu382 truncated recombinant human serum albumin: an optical and NMR spectroscopic investigation. <i>FEBS Journal</i> , 2009, 276, 2241-2250.	4.7	39
85	Binding of δ^9 -tetrahydrocannabinol and diazepam to human serum albumin. <i>IUBMB Life</i> , 2011, 63, 446-451.	3.4	39
86	Control and recognition of anionic ligands in myoglobin. <i>FEBS Letters</i> , 1991, 282, 281-284.	2.8	38
87	β -Amyloid inhibits NOS activity by subtracting NADPH availability. <i>FASEB Journal</i> , 2002, 16, 1970-1972.	0.5	38
88	Scavenging of Reactive Nitrogen Species by Mycobacterial Truncated Hemoglobins. <i>Methods in Enzymology</i> , 2008, 436, 317-337.	1.0	38
89	The Anti-Parasitic Effects of Nitric Oxide. <i>IUBMB Life</i> , 2004, 55, 573-578.	3.4	37
90	Mn(II) binding to human serum albumin: A 1H-NMR relaxometric study. <i>Journal of Inorganic Biochemistry</i> , 2012, 117, 198-203.	3.5	37

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91	Neuroprotective Effects of 17 β -Estradiol Rely on Estrogen Receptor Membrane Initiated Signals. <i>Frontiers in Physiology</i> , 2012, 3, 73.	2.8	37
92	Proteinase inhibitors from the european medicinal leech <i>Hirudo medicinalis</i> : Structural, functional and biomedical aspects. <i>Molecular Aspects of Medicine</i> , 1995, 16, 215-313.	6.4	36
93	Nitric Oxide Inhibits Falcipain, the <i>Plasmodium falciparum</i> Trophozoite Cysteine Protease. <i>Biochemical and Biophysical Research Communications</i> , 2000, 267, 190-193.	2.1	36
94	Effect of bezafibrate and clofibrate on the heme-iron geometry of ferrous nitrosylated heme-human serum albumin: an EPR study. <i>Journal of Inorganic Biochemistry</i> , 2001, 84, 293-296.	3.5	36
95	Allosteric modulation of anti-HIV drug and ferric heme binding to human serum albumin. <i>FEBS Journal</i> , 2005, 272, 6287-6296.	4.7	36
96	Abacavir modulates peroxynitrite-mediated oxidation of ferrous nitrosylated human serum heme-albumin. <i>Biochemical and Biophysical Research Communications</i> , 2007, 353, 469-474.	2.1	36
97	Neuroglobin and cytoglobin: Two new entries in the hemoglobin superfamily. <i>Biochemistry and Molecular Biology Education</i> , 2004, 32, 305-313.	1.2	35
98	Modulation of heme and myristate binding to human serum albumin by anti-HIV drugs. <i>FEBS Journal</i> , 2007, 274, 4491-4502.	4.7	35
99	α -Tocopherol binding to human serum albumin. <i>BioFactors</i> , 2013, 39, 294-303.	5.4	34
100	Relaxometric characterization of human hemalbumin. <i>Journal of Biological Inorganic Chemistry</i> , 2001, 6, 650-658.	2.6	33
101	Nitric oxide scavenging by <i>Mycobacterium leprae</i> GbO involves the formation of the ferric heme-bound peroxynitrite intermediate. <i>Biochemical and Biophysical Research Communications</i> , 2006, 339, 450-456.	2.1	33
102	Cardiolipin drives cytochrome <i>c</i> proapoptotic and antiapoptotic actions. <i>IUBMB Life</i> , 2011, 63, 160-165.	3.4	33
103	Neuroglobin in Breast Cancer Cells: Effect of Hypoxia and Oxidative Stress on Protein Level, Localization, and Anti-Apoptotic Function. <i>PLoS ONE</i> , 2016, 11, e0154959.	2.5	33
104	Allosteric modulation of monomeric proteins. <i>Biochemistry and Molecular Biology Education</i> , 2005, 33, 169-176.	1.2	32
105	Ibuprofen modulates allosterically NO dissociation from ferrous nitrosylated human serum heme-albumin by binding to three sites. <i>Biochemical and Biophysical Research Communications</i> , 2009, 387, 83-86.	2.1	32
106	Kinetic Evidence for the Existence of a Rate-Limiting Step in the Reaction of Ferric Hemoproteins with Anionic Ligands. <i>FEBS Journal</i> , 1996, 235, 49-53.	0.2	30
107	Cardiolipin modulates allosterically peroxynitrite detoxification by horse heart cytochrome <i>c</i> . <i>Biochemical and Biophysical Research Communications</i> , 2011, 404, 190-194.	2.1	30
108	Inhibition of bovine β -trypsin, human α -thrombin and porcine pancreatic β -kallikrein-B by 4 α ,6-diamidino-2-phenylindole, 6-amidinoindole and benzamidine: a comparative thermodynamic and X-ray structural study. <i>Biophysical Chemistry</i> , 1995, 54, 75-81.	2.8	29

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109	Effect of prototypic drugs ibuprofen and warfarin on global chaotropic unfolding of human serum heme-albumin: A fast-field-cycling 1H-NMR relaxometric study. <i>Biophysical Chemistry</i> , 2007, 129, 29-35.	2.8	29
110	Reductive nitrosylation and peroxynitrite-mediated oxidation of heme-hemopexin. <i>FEBS Journal</i> , 2007, 274, 551-562.	4.7	29
111	Binding of the bovine basic pancreatic trypsin inhibitor (Kunitz) to human $\hat{1}$ \pm , $\hat{1}$ 2 - and $\hat{1}$ 3 -thrombin; a kinetic and thermodynamic study. <i>BBA - Proteins and Proteomics</i> , 1988, 956, 156-161.	2.1	28
112	A comparative study of the temperature dependence of the oxygen-binding properties of mammalian hemoglobins. <i>FEBS Journal</i> , 1992, 204, 1155-1157.	0.2	28
113	Catalytic peroxidation of nitrogen monoxide and peroxynitrite by globins. <i>IUBMB Life</i> , 2009, 61, 62-73.	3.4	28
114	Isoniazid and rifampicin inhibit allosterically heme binding to albumin and peroxynitrite isomerization by heme-albumin. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 97-108.	2.6	28
115	Hsp90 $\hat{1}$ \pm regulates ATM and NBN functions in sensing and repair of DNA double-strand breaks. <i>FEBS Journal</i> , 2017, 284, 2378-2395.	4.7	28
116	Expression of a NOS-III-like Protein in Human Astroglial Cell Culture. <i>Biochemical and Biophysical Research Communications</i> , 1998, 252, 552-555.	2.1	27
117	Truncated hemoglobin GlbO from <i>Mycobacterium leprae</i> alleviates nitric oxide toxicity. <i>Microbial Pathogenesis</i> , 2006, 40, 211-220.	2.9	27
118	Structural determinants of trypsin affinity and specificity for cationic inhibitors. <i>Protein Science</i> , 1999, 8, 2621-2629.	7.6	27
119	Drug binding to Sudlow's site I impairs allosterically human serum heme-albumin-catalyzed peroxynitrite detoxification. <i>IUBMB Life</i> , 2010, 62, 776-780.	3.4	27
120	Non-covalent and covalent modifications modulate the reactivity of monomeric mammalian globins. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 1750-1756.	2.3	27
121	The Five-To-Six-Coordination Transition of Ferric Human Serum Heme-Albumin Is Allosterically-Modulated by Ibuprofen and Warfarin: A Combined XAS and MD Study. <i>PLoS ONE</i> , 2014, 9, e104231.	2.5	27
122	Reptile Heme Protein Structure: X-ray Crystallographic Study of the Aquo-met and Cyano-met Derivatives of the Loggerhead Sea Turtle (<i>Caretta caretta</i>) Myoglobin at 2.0 Å... Resolution. <i>Journal of Molecular Biology</i> , 1995, 247, 459-465.	4.2	26
123	Competitive Inhibition of Swine Kidney Copper Amine Oxidase by Drugs: Amiloride, Clonidine, and Gabexate Mesylate. <i>Biochemical and Biophysical Research Communications</i> , 1997, 240, 150-152.	2.1	26
124	Does myoglobin protect <i>Trypanosoma cruzi</i> from the antiparasitic effects of nitric oxide? <i>FEBS Letters</i> , 2001, 501, 103-105.	2.8	26
125	Modulation of the catalytic activity of cruzipain, the major cysteine proteinase from <i>Trypanosoma cruzi</i> , by temperature and pH. <i>FEBS Journal</i> , 2001, 268, 3253-3258.	0.2	26
126	Nitric Oxide and <i>Mycobacterium leprae</i> Pathogenicity. <i>IUBMB Life</i> , 2002, 54, 95-99.	3.4	26

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127	Kinetics of parasite cysteine proteinase inactivation by NO-donors. <i>Biochemical and Biophysical Research Communications</i> , 2004, 315, 710-718.	2.1	26
128	H ₂ O ₂ and NO scavenging by <i>Mycobacterium leprae</i> truncated hemoglobin O. <i>Biochemical and Biophysical Research Communications</i> , 2008, 373, 197-201.	2.1	26
129	Reductive nitrosylation of ferric human serum heme- α albumin. <i>FEBS Journal</i> , 2010, 277, 2474-2485.	4.7	26
130	Isoniazid Inhibits the Heme-Based Reactivity of <i>Mycobacterium tuberculosis</i> Truncated Hemoglobin N. <i>PLoS ONE</i> , 2013, 8, e69762.	2.5	26
131	Reduced sensitivity of O ₂ transport to allosteric effectors and temperature in loggerhead sea turtle hemoglobin: functional and spectroscopic study. <i>BBA - Proteins and Proteomics</i> , 1992, 1159, 129-133.	2.1	25
132	Inactivation of parasite cysteine proteinases by the NO-donor 4-(phenylsulfonyl)-3-((2-(dimethylamino)ethyl)thio)-furoxan oxalate. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2004, 1703, 69-77.	2.3	25
133	Antarctic bacterial haemoglobin and its role in the protection against nitrogen reactive species. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 1923-1931.	2.3	25
134	Imatinib binding to human serum albumin modulates heme association and reactivity. <i>Archives of Biochemistry and Biophysics</i> , 2014, 560, 100-112.	3.0	25
135	ER β -dependent neuroglobin up-regulation impairs 17 β -estradiol-induced apoptosis in DLD-1 colon cancer cells upon oxidative stress injury. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 149, 128-137.	2.5	25
136	Neuronal hemoglobin affects dopaminergic cells' response to stress. <i>Cell Death and Disease</i> , 2018, 8, e2538-e2538.	6.3	25
137	Cysteine protease as a target for nitric oxide in parasitic organisms. <i>Trends in Parasitology</i> , 2001, 17, 575.	3.3	24
138	Ferrous <i>Campylobacter jejuni</i> truncated hemoglobin α P displays an extremely high reactivity for cyanide - a comparative study. <i>FEBS Journal</i> , 2008, 275, 633-645.	4.7	24
139	Neuroglobin overexpression induced by the 17 β -Estradiol-Estrogen receptor β Pathway reduces the sensitivity of MCF-7 Breast cancer cell to paclitaxel. <i>IUBMB Life</i> , 2016, 68, 645-651.	3.4	24
140	Human plasma lipocalins and serum albumin: Plasma alternative carriers?. <i>Journal of Controlled Release</i> , 2016, 228, 191-205.	9.9	24
141	Reductive nitrosylation of ferric carboxymethylated-cytochrome <i>c</i> . <i>Journal of Porphyrins and Phthalocyanines</i> , 2017, 21, 1-9.	0.8	24
142	Multiple intermediates in the reaction of bovine α -trypsin with bovine pancreatic trypsin inhibitor (kunitz). <i>Biopolymers</i> , 1983, 22, 363-375.	2.4	23
143	pH-induced cleavage of the proximal histidine to iron bond in the nitric oxide derivative of ferrous monomeric hemosproteins and of the α -chelated α protoheme model compound. <i>BBA - Proteins and Proteomics</i> , 1985, 829, 299-302.	2.1	23
144	Binding of the Recombinant Proteinase Inhibitor Eglin C from Leech <i>Hirudo Medicinalis</i> to Human Leukocyte Elastase, Bovine α -Chymotrypsin and Subtilisin Carlsberg: Thermodynamic Study. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1988, 2, 167-172.	0.5	23

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145	Cooperative effect of inositol hexakisphosphate, bezafibrate, and clofibrac acid on the spectroscopic properties of the nitric oxide derivative of ferrous human hemoglobin. <i>Journal of Inorganic Biochemistry</i> , 1993, 50, 263-272.	3.5	23
146	O ₂ -mediated oxidation of hemopexin-heme(II)-NO. <i>Biochemical and Biophysical Research Communications</i> , 2006, 345, 704-712.	2.1	23
147	Simultaneous determination of maraviroc and raltegravir in human plasma by HPLC-UV. <i>IUBMB Life</i> , 2009, 61, 470-475.	3.4	23
148	Peroxynitrite detoxification by horse heart carboxymethylated cytochrome c is allosterically modulated by cardiolipin. <i>Biochemical and Biophysical Research Communications</i> , 2011, 415, 463-467.	2.1	23
149	Neuroglobin Modification by Reactive Quinone Species. <i>Chemical Research in Toxicology</i> , 2013, 26, 1821-1831.	3.3	23
150	Huntingtin polyQ Mutation Impairs the 17 β -Estradiol/Neuroglobin Pathway Devoted to Neuron Survival. <i>Molecular Neurobiology</i> , 2017, 54, 6634-6646.	4.0	23
151	Hypoalbuminemia as a predictor of acute kidney injury during colistin treatment. <i>Scientific Reports</i> , 2018, 8, 11968.	3.3	23
152	Enzyme competitive inhibition, graphical determination of K _i and presentation of data in comparative studies. <i>Biochemical Education</i> , 1987, 15, 134-135.	0.1	22
153	Neuroglobin, estrogens, and neuroprotection. <i>IUBMB Life</i> , 2011, 63, 140-145.	3.4	22
154	A molecule for all seasons: The heme. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016, 20, 134-149.	0.8	22
155	Tetra-p-amidinophenoxy-propane as a probe of the specificity site of serine proteases. <i>FEBS Letters</i> , 1982, 141, 33-36.	2.8	21
156	Binding of the bovine basic pancreatic trypsin inhibitor (Kunitz) to human urinary kallikrein and to porcine pancreatic $\hat{1}^2$ -kallikreins A and B. <i>Journal of Molecular Biology</i> , 1984, 176, 425-430.	4.2	21
157	Binding of hirudin to human $\hat{1}^1$, $\hat{1}^2$ and $\hat{1}^3$ -thrombin. <i>Journal of Molecular Biology</i> , 1992, 225, 177-184.	4.2	21
158	Peroxynitrite scavenging by ferrous truncated hemoglobin GlbO from <i>Mycobacterium leprae</i> . <i>Biochemical and Biophysical Research Communications</i> , 2006, 351, 528-533.	2.1	21
159	Does CO ₂ modulate peroxynitrite specificity?. <i>IUBMB Life</i> , 2006, 58, 611-613.	3.4	21
160	Multiple strategies for O ₂ transport: from simplicity to complexity. <i>IUBMB Life</i> , 2007, 59, 600-616.	3.4	21
161	Abacavir and warfarin modulate allosterically kinetics of NO dissociation from ferrous nitrosylated human serum heme-albumin. <i>Biochemical and Biophysical Research Communications</i> , 2008, 369, 686-691.	2.1	21
162	Cyanide Binding and Heme Cavity Conformational Transitions in <i>Drosophila melanogaster</i> Hexacoordinate Hemoglobin. <i>Biochemistry</i> , 2006, 45, 10054-10061.	2.5	20

#	ARTICLE	IF	CITATIONS
163	Heme-hemopexin: A h ² -Chromosteric™ heme-protein. IUBMB Life, 2007, 59, 700-708.	3.4	20
164	Reductive nitrosylation of ferric cyanide horse heart myoglobin is limited by cyanide dissociation. Biochemical and Biophysical Research Communications, 2010, 393, 196-200.	2.1	20
165	Nitrobindin: An Ubiquitous Family of All h ² -Barrel Heme-proteins. IUBMB Life, 2016, 68, 423-428.	3.4	20
166	Neuroglobin and friends. Journal of Molecular Recognition, 2017, 30, e2654.	2.1	20
167	Thalassemias: from gene to therapy. Molecular Aspects of Medicine, 2022, 84, 101028.	6.4	20
168	Equilibrium and kinetic study of nitric oxide binding to phthalocyaninatoiron(II) in dimethyl sulphoxide. Journal of the Chemical Society Dalton Transactions, 1987, , 369.	1.1	19
169	Effect of Gabexate Mesylate (FOY), a Drug for Serine Proteinase-Mediated Diseases, on the Nitric Oxide Pathway. Biochemical and Biophysical Research Communications, 1998, 246, 453-456.	2.1	19
170	Cytochromes: Reactivity of the h ² -dark side of the heme. Biophysical Chemistry, 2010, 152, 21-27.	2.8	19
171	Nitrophorins and nitrobindins: structure and function. Biomolecular Concepts, 2017, 8, 105-118.	2.2	19
172	Structure and Haem-Distal Site Plasticity in Methanosarcina acetivorans Protoglobin. PLoS ONE, 2013, 8, e66144.	2.5	19
173	Nitrosylation Mechanisms of Mycobacterium tuberculosis and Campylobacter jejuni Truncated Hemoglobins N, O, and P. PLoS ONE, 2014, 9, e102811.	2.5	19
174	Interaction of inositol hexakisphosphate with liganded ferrous human hemoglobin. Direct evidence for two functionally operative binding sites. BBA - Proteins and Proteomics, 1993, 1162, 309-314.	2.1	18
175	Determination of H ₂ S solubility via the reaction with ferric hemoglobin I from the bivalve mollusc <i>Lucina pectinata</i> . Biochimica Et Biophysica Acta - General Subjects, 2000, 1523, 206-208.	2.4	18
176	Inhibition of Pig Liver and <i>Zea mays</i> L. Polyamine Oxidase: A Comparative Study. Journal of Enzyme Inhibition and Medicinal Chemistry, 2001, 16, 147-155.	0.5	18
177	CO Sniffing through Heme-based Sensor Proteins. IUBMB Life, 2004, 56, 309-315.	3.4	18
178	Targeting the DNA Double Strand Breaks Repair for Cancer Therapy. Current Medicinal Chemistry, 2010, 17, 2017-2048.	2.4	18
179	Pseudo-enzymatic hydrolysis of 4-nitrophenyl acetate by human serum albumin: pH-dependence of rates of individual steps. Biochemical and Biophysical Research Communications, 2012, 424, 451-455.	2.1	18
180	Warfarin modulates the nitrite reductase activity of ferrous human serum heme-albumin. Journal of Biological Inorganic Chemistry, 2013, 18, 939-946.	2.6	18

#	ARTICLE	IF	CITATIONS
181	Cardiolipin modulates allosterically the nitrite reductase activity of horse heart cytochrome c. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 1195-1201.	2.6	18
182	The Protective Role of Albumin in <i>Clostridium difficile</i> Infection: A Step Toward Solving the Puzzle. <i>Infection Control and Hospital Epidemiology</i> , 2015, 36, 1478-1480.	1.8	18
183	Dissecting the 17 β -estradiol pathways necessary for neuroglobin anti-apoptotic activity in breast cancer. <i>Journal of Cellular Physiology</i> , 2018, 233, 5087-5103.	4.1	18
184	Potential of paclitaxel effect by resveratrol in human breast cancer cells by counteracting the 17 β -estradiol/estrogen receptor β /neuroglobin pathway. <i>Journal of Cellular Physiology</i> , 2019, 234, 3147-3157.	4.1	18
185	Proteomic and Bioinformatic Investigation of Altered Pathways in Neuroglobin-Deficient Breast Cancer Cells. <i>Molecules</i> , 2021, 26, 2397.	3.8	18
186	Functional and Spectroscopic Evidence for a Conformational Transition in Ferrous Liganded Human Hemoglobin. <i>Journal of Molecular Biology</i> , 1995, 249, 800-803.	4.2	17
187	Human β -thrombin inhibition by the highly selective compounds N-ethoxycarbonyl-d-phe-pro- β -azalys p-nitrophenyl ester and N-carbobenzoxy-pro- β -azalys p-nitrophenyl ester: A kinetic, thermodynamic and x-ray crystallographic study. <i>Journal of Molecular Biology</i> , 1997, 269, 558-569.	4.2	17
188	Reversible two-step unfolding of heme-human serum albumin: a 1H-NMR relaxometric and circular dichroism study. <i>Journal of Biological Inorganic Chemistry</i> , 2009, 14, 209-217.	2.6	17
189	Functional role of transient conformations: Rediscovering allosteric effects thirty years later. <i>IUBMB Life</i> , 2013, 65, 836-844.	3.4	17
190	Human serum albumin: A modulator of cannabinoid drugs. <i>IUBMB Life</i> , 2017, 69, 834-840.	3.4	17
191	Human nitrobindin: the first example of an all- β -barrel ferric heme-protein that catalyzes peroxynitrite detoxification. <i>FEBS Open Bio</i> , 2018, 8, 2002-2010.	2.3	17
192	Mycobacterial and Human Nitrobindins: Structure and Function. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 229-246.	5.4	17
193	Binding of the recombinant proteinase inhibitor eglinC from leech <i>Hirudo medicinalis</i> to serine (Pro)enzymes: A comparative thermodynamic study. <i>Journal of Molecular Recognition</i> , 1991, 4, 113-119.	2.1	16
194	Competitive Inhibition of Nitric Oxide Synthase by β -Aminobenzamidine, a Serine Proteinase Inhibitor. <i>Biochemical and Biophysical Research Communications</i> , 1997, 232, 88-90.	2.1	16
195	Aprotinin, the First Competitive Protein Inhibitor of NOS Activity. <i>Biochemical and Biophysical Research Communications</i> , 1998, 249, 263-265.	2.1	16
196	Peroxynitrite detoxification by ferryl <i>Mycobacterium leprae</i> truncated hemoglobin O. <i>Biochemical and Biophysical Research Communications</i> , 2009, 380, 392-396.	2.1	16
197	Cancer predisposing mutations in BRCT domains. <i>IUBMB Life</i> , 2011, 63, 503-512.	3.4	16
198	Simultaneous determination of lamivudine, lopinavir, ritonavir, and zidovudine concentration in plasma of HIV-1 infected patients by HPLC-MS/MS. <i>IUBMB Life</i> , 2012, 64, 443-449.	3.4	16

#	ARTICLE	IF	CITATIONS
199	Reductive nitrosylation of Methanosarcina acetivorans protoglobin: A comparative study. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 1301-1305.	2.1	16
200	Stabilization of the T-state of ferrous human adult and fetal hemoglobin by Ln(III) complexes: A thermodynamic study. <i>Journal of Inorganic Biochemistry</i> , 1998, 71, 37-43.	3.5	15
201	Do Hemoglobin and Hemocyanin Impair Schistosoma Killing by NO?. <i>IUBMB Life</i> , 2002, 53, 287-288.	3.4	15
202	Probing the Cruzain S2Recognition Subsite: A Kinetic and Binding Energy Calculation Study. <i>Biochemistry</i> , 2005, 44, 2781-2789.	2.5	15
203	Structural heterogeneity and ligand gating in ferric methanosarcina acetivorans protoglobin mutants. <i>IUBMB Life</i> , 2011, 63, 287-294.	3.4	15
204	Sequence analysis of serum albumins reveals the molecular evolution of ligand recognition properties. <i>Journal of Biomolecular Structure and Dynamics</i> , 2012, 29, 1195-1205.	3.5	15
205	Reciprocal Allosteric Modulation of Carbon Monoxide and Warfarin Binding to Ferrous Human Serum Heme-Albumin. <i>PLoS ONE</i> , 2013, 8, e58842.	2.5	15
206	Human Serum Albumin Binds Streptolysin O (SLO) Toxin Produced by Group A Streptococcus and Inhibits Its Cytotoxic and Hemolytic Effects. <i>Frontiers in Immunology</i> , 2020, 11, 507092.	4.8	15
207	NO dissociation represents the rate limiting step for O ₂ -mediated oxidation of ferrous nitrosylated Mycobacterium leprae truncated hemoglobin O. <i>Biochemical and Biophysical Research Communications</i> , 2007, 357, 809-814.	2.1	14
208	Molecular and functional properties of myoglobin from a marine turtle (<i>Dermochelys coriacea</i>). <i>BBA - Proteins and Proteomics</i> , 1984, 788, 281-289.	2.1	13
209	Binding of the bovine basic pancreatic trypsin inhibitor (Kunitz) to human Lys77-plasmin. <i>Journal of Molecular Biology</i> , 1986, 191, 295-297.	4.2	13
210	Nitrosylation of rabbit ferrous heme-hemopexin. <i>Journal of Biological Inorganic Chemistry</i> , 2004, 9, 800-806.	2.6	13
211	Do neuroglobin and myoglobin protect Toxoplasma gondii from nitrosative stress?. <i>IUBMB Life</i> , 2005, 57, 689-691.	3.4	13
212	Ibuprofen and warfarin modulate allosterically ferrous human serum heme-albumin nitrosylation. <i>Biochemical and Biophysical Research Communications</i> , 2011, 411, 185-189.	2.1	13
213	Evidence for pH-dependent multiple conformers in iron(II) heme-human serum albumin: spectroscopic and kinetic investigation of carbon monoxide binding. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 133-147.	2.6	13
214	The Globins of Cold-Adapted Pseudoalteromonas haloplanktis TAC125: From the Structure to the Physiological Functions. <i>Advances in Microbial Physiology</i> , 2013, 63, 329-389.	2.4	13
215	Functional and Spectroscopic Characterization of Chlamydomonas reinhardtii Truncated Hemoglobins. <i>PLoS ONE</i> , 2015, 10, e0125005.	2.5	13
216	All- trans -retinoic acid and retinol binding to the FA1 site of human serum albumin competitively inhibits heme-Fe(III) association. <i>Archives of Biochemistry and Biophysics</i> , 2016, 590, 56-63.	3.0	13

#	ARTICLE	IF	CITATIONS
217	Reductive nitrosylation of ferric human hemoglobin bound to human haptoglobin 1-1 and 2-2. <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 437-445.	2.6	13
218	Contaminations in (meta)genome data: An open issue for the scientific community. <i>IUBMB Life</i> , 2020, 72, 698-705.	3.4	13
219	Ligation Tunes Protein Reactivity in an Ancient Haemoglobin: Kinetic Evidence for an Allosteric Mechanism in <i>Methanosarcina acetivorans</i> Protoglobin. <i>PLoS ONE</i> , 2012, 7, e33614.	2.5	13
220	Nitrite-Reductase and Peroxynitrite Isomerization Activities of <i>Methanosarcina acetivorans</i> Protoglobin. <i>PLoS ONE</i> , 2014, 9, e95391.	2.5	13
221	Effect of inositol hexakisphosphate on the spectroscopic properties of the nitric oxide derivative of ferrous horse and bovine hemoglobin. <i>Journal of Inorganic Biochemistry</i> , 1990, 40, 157-162.	3.5	12
222	Spectroscopic properties of the nitric oxide derivative of ferrous man, horse, and ruminant hemoglobins: A comparative study. <i>Journal of Inorganic Biochemistry</i> , 1992, 45, 31-37.	3.5	12
223	Selective inhibition of nitric oxide synthase type I by clonidine, an anti-hypertensive drug. <i>Biochemical Pharmacology</i> , 2000, 60, 539-544.	4.4	12
224	Nitrophorins: Lipocalin-based heme proteins transporting nitric oxide. <i>Biochemistry and Molecular Biology Education</i> , 2002, 30, 68-71.	1.2	12
225	Therapeutic Drug Monitoring in the Management of HIV-Infected Patients. <i>Current Medicinal Chemistry</i> , 2008, 15, 1925-1939.	2.4	12
226	Reductive nitrosylation of the cardiolipin-ferric cytochrome <i>c</i> complex. <i>IUBMB Life</i> , 2014, 66, 438-447.	3.4	12
227	Ferric microperoxidase-11 catalyzes peroxynitrite isomerization. <i>Journal of Inorganic Biochemistry</i> , 2015, 144, 56-61.	3.5	12
228	Neuroglobin As Key Mediator in the 17 β -Estradiol-Induced Antioxidant Cell Response to Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 217-227.	5.4	12
229	Transcriptional and Metabolic Dissection of ATRA-Induced Granulocytic Differentiation in NB4 Acute Promyelocytic Leukemia Cells. <i>Cells</i> , 2020, 9, 2423.	4.1	12
230	Bovine trypsinogen activation. <i>Biophysical Chemistry</i> , 1990, 37, 355-362.	2.8	11
231	Binding of the kunitz-type trypsin inhibitor DE-3 from <i>Erythrina caffra</i> seeds to serine proteinases: a comparative study. <i>Journal of Molecular Recognition</i> , 1992, 5, 105-114.	2.1	11
232	Binding of anti-Parkinson's disease drugs to human serum albumin is allosterically modulated. <i>IUBMB Life</i> , 2010, 62, 371-376.	3.4	11
233	Determination of antituberculosis drug concentration in human plasma by MALDI-TOF/TOF. <i>IUBMB Life</i> , 2010, 62, 387-393.	3.4	11
234	Pseudo-enzymatic hydrolysis of 4-nitrophenyl myristate by human serum albumin. <i>Biochemical and Biophysical Research Communications</i> , 2012, 422, 219-223.	2.1	11

#	ARTICLE	IF	CITATIONS
235	Functional and structural roles of the N-terminal extension in Methanosarcina acetivorans protoglobin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 1813-1823.	2.3	11
236	Structural Biology of Bacterial Haemophores. <i>Advances in Microbial Physiology</i> , 2015, 67, 127-176.	2.4	11
237	Coexistence of multiple globin genes conferring protection against nitrosative stress to the Antarctic bacterium <i>Pseudoalteromonas haloplanktis</i> TAC125. <i>Nitric Oxide - Biology and Chemistry</i> , 2018, 73, 39-51.	2.7	11
238	Proton-linked Subunit Kinetic Heterogeneity for Carbon Monoxide Binding to Hemoglobin from <i>Chelidonichthys kumu</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 29859-29864.	3.4	10
239	Anion- and pH-linked effects on the heme-iron geometry in ferrous nitrosylated monomeric myoglobins. <i>Journal of Biological Inorganic Chemistry</i> , 1998, 3, 458-462.	2.6	10
240	Agmatine oxidation by copper amine oxidase. <i>FEBS Journal</i> , 2002, 269, 884-892.	0.2	10
241	O ₂ -mediated oxidation of ferrous nitrosylated human serum heme- α -albumin is limited by nitrogen monoxide dissociation. <i>Biochemical and Biophysical Research Communications</i> , 2011, 406, 112-116.	2.1	10
242	GA/GB Fold switching may modulate fatty acid transfer from human serum albumin to bacteria. <i>IUBMB Life</i> , 2012, 64, 885-888.	3.4	10
243	NO ₂ ⁻ -mediated nitrosylation of ferrous microperoxidase-11. <i>Journal of Inorganic Biochemistry</i> , 2015, 153, 121-127.	3.5	10
244	The N-terminal pre-A region of <i>Mycobacterium tuberculosis</i> HbN promotes NO dioxygenase activity. <i>FEBS Journal</i> , 2016, 283, 305-322.	4.7	10
245	The nitrite reductase activity of horse heart carboxymethylated-cytochrome c is modulated by cardiolipin. <i>Journal of Biological Inorganic Chemistry</i> , 2016, 21, 421-432.	2.6	10
246	Cantharidin inhibits competitively heme-F _e (III) binding to the FA-1 site of human serum albumin. <i>Journal of Molecular Recognition</i> , 2017, 30, e2641.	2.1	10
247	Peroxynitrite Detoxification by Human Haptoglobin:Hemoglobin Complexes: A Comparative Study. <i>Journal of Physical Chemistry B</i> , 2018, 122, 11100-11107.	2.6	10
248	Structural and functional properties of Antarctic fish cytoglobins-1: Cold-reactivity in multi-ligand reactions. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 2132-2144.	4.1	10
249	NO Scavenging through Reductive Nitrosylation of Ferric <i>Mycobacterium tuberculosis</i> and <i>Homo sapiens</i> Nitrobindins. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9395.	4.1	10
250	<i>Mycobacterial</i> and Human Ferrous Nitrobindins: Spectroscopic and Reactivity Properties. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1674.	4.1	10
251	Oxygen-mediated oxidation of ferrous nitrosylated nitrobindins. <i>Journal of Inorganic Biochemistry</i> , 2021, 224, 111579.	3.5	10
252	Structural and (Pseudo-)Enzymatic Properties of Neuroglobin: Its Possible Role in Neuroprotection. <i>Cells</i> , 2021, 10, 3366.	4.1	10

#	ARTICLE	IF	CITATIONS
253	Binding of porcine pancreatic secretory trypsin inhibitor to bovine α -trypsin: A kinetic study. <i>Biopolymers</i> , 1986, 25, 2325-2333.	2.4	9
254	Binding of the Ile-Val and Val-Val effector dipeptides to the binary adducts of bovine trypsinogen with kunitz and kazal inhibitors as well as the acylating agent p-nitrophenyl p-guanidinobenzoate. <i>Journal of Molecular Biology</i> , 1987, 194, 751-754.	4.2	9
255	Zymogen activation: Effect of peptides sequentially related to the bovine β -trypsin N-terminus on kazal inhibitor and benzamidine binding to bovine trypsinogen. <i>Journal of Molecular Recognition</i> , 1988, 1, 130-137.	2.1	9
256	Alteration of the proximal bond energy in the unliganded form of the homodimeric myoglobin from <i>Nassa mutabilis</i> . Kinetic and spectroscopic evidence. <i>FEBS Letters</i> , 1992, 296, 184-186.	2.8	9
257	Binding of Bovine Basic Pancreatic Trypsin Inhibitor (Kunitz) as well as Bovine and Porcine Pancreatic Secretory Trypsin Inhibitor (Kazal) To Human Cathepsin G: A Kinetic and Thermodynamic Study. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1993, 7, 57-64.	0.5	9
258	Formate binding to ferric wild type and mutant myoglobins thermodynamic and X-ray crystallographic study. <i>FEBS Letters</i> , 1995, 357, 227-229.	2.8	9
259	Cooperative Mechanism in the Homodimeric Myoglobin from <i>Nassa mutabilis</i> . <i>Biochemistry</i> , 1998, 37, 2873-2878.	2.5	9
260	17 β -Estradiol modulates huntingtin levels in rat tissues and in human neuroblastoma cell line. <i>Neuroscience Research</i> , 2016, 103, 59-63.	1.9	9
261	Fipronil recognition by the FA1 site of human serum albumin. <i>Journal of Molecular Recognition</i> , 2018, 31, e2713.	2.1	9
262	The nitrite reductase activity of ferrous human hemoglobin:haptoglobin 1-1 and 2-2 complexes. <i>Journal of Inorganic Biochemistry</i> , 2018, 187, 116-122.	3.5	9
263	Peroxynitrite-mediated oxidation of ferrous carbonylated myoglobin is limited by carbon monoxide dissociation. <i>Biochemical and Biophysical Research Communications</i> , 2007, 363, 931-936.	2.1	8
264	Cyanide binding to ferrous and ferric microperoxidase-11. <i>Journal of Biological Inorganic Chemistry</i> , 2016, 21, 511-522.	2.6	8
265	Are DNA damage response kinases a target for the differentiation treatment of acute myeloid leukemia?. <i>IUBMB Life</i> , 2018, 70, 1057-1066.	3.4	8
266	Oxygen dissociation from ferrous oxygenated human hemoglobin:haptoglobin complexes confirms that in the R-state α and β chains are functionally heterogeneous. <i>Scientific Reports</i> , 2019, 9, 6780.	3.3	8
267	Ligand Binding to the FA3-FA4 Cleft Inhibits the Esterase-Like Activity of Human Serum Albumin. <i>PLoS ONE</i> , 2015, 10, e0120603.	2.5	8
268	Drugs Modulate Allosterically Heme-Fe-Recognition by Human Serum Albumin and Heme-Fe-Mediated Reactivity. <i>Current Pharmaceutical Design</i> , 2015, 21, 1837-1847.	1.9	8
269	Inhibition of Serine Proteinases by Tetra-p-Amidinophenoxy-neo-Pentane: Thermodynamic and Molecular Modeling Study. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1987, 2, 23-30.	0.5	7
270	Effect of inositol hexakisphosphate on the spectroscopic properties of the nitric oxide derivative of ferrous naturally glycosylated human hemoglobin HbA1c. <i>Journal of Inorganic Biochemistry</i> , 1988, 34, 19-24.	3.5	7

#	ARTICLE	IF	CITATIONS
271	Neonicotinoid trapping by the FA1 site of human serum albumin. <i>IUBMB Life</i> , 2020, 72, 716-723.	3.4	7
272	Extra-Intestinal Effects of <i>C. difficile</i> Toxin A and B: An In Vivo Study Using the Zebrafish Embryo Model. <i>Cells</i> , 2020, 9, 2575.	4.1	7
273	Peroxynitrite scavenging by <i>Campylobacter jejuni</i> truncated hemoglobin P. <i>Journal of Biological Inorganic Chemistry</i> , 2017, 22, 1141-1150.	2.6	7
274	pH effects in biochemical reactions. What's the meaning of pK and midpoint?. <i>Biochemical Education</i> , 1988, 16, 93-94.	0.1	6
275	Hemopexin: The primary specific carrier of plasma heme. <i>Biochemistry and Molecular Biology Education</i> , 2002, 30, 332-335.	1.2	6
276	Human caspase-3 inhibition by Z-tLeu-Asp-H: tLeu(P2) counterbalances Asp(P4) and Glu(P3) specific inhibitor truncation. <i>Biochemical and Biophysical Research Communications</i> , 2008, 377, 757-762.	2.1	6
277	Thermodynamic analysis of hydration in human serum heme-albumin. <i>Biochemical and Biophysical Research Communications</i> , 2009, 385, 385-389.	2.1	6
278	Molecular phylogenetic analyses of albuminoids reveal the molecular evolution of allosteric properties. <i>IUBMB Life</i> , 2013, 65, 544-549.	3.4	6
279	Ruxolitinib binding to human serum albumin: bioinformatics, biochemical and functional characterization in JAK2V617F+ cell models. <i>Scientific Reports</i> , 2019, 9, 16379.	3.3	6
280	Ferric nitrosylated myoglobin catalyzes peroxynitrite scavenging. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 361-370.	2.6	6
281	Binding of direct oral anticoagulants to the FA1 site of human serum albumin. <i>Journal of Molecular Recognition</i> , 2021, 34, e2877.	2.1	6
282	Human Serum Haeme-albumin: An Allosteric α -Chronosteric TM Protein. , 2008, , 121-131.		6
283	Benzamidine as a spectroscopic probe for the primary specificity subsite of trypsin-like serine proteinases. <i>Molecular and Cellular Biochemistry</i> , 1984, 64, 139-44.	3.1	5
284	Inhibition of Human $\hat{1}$ \pm , $\hat{1}$ 2 - and $\hat{1}$ 3 -Thrombin by mono-, bis-, tris- and tetra-Benzamidine Structures: Thermodynamic Study. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1992, 6, 131-139.	0.5	5
285	N-Ethoxycarbonyl-D-phenylalanyl-L-prolyl- $\hat{1}$ \pm -azalysinep-Nitrophenyl Ester: A Novel, High Selective and Optimal Chromogenic Active Site Titrant for Human and Bovine $\hat{1}$ \pm , $\hat{1}$ 2 - and $\hat{1}$ 3 -Thrombin. <i>Biochemical and Biophysical Research Communications</i> , 1996, 225, 557-561.	2.1	5
286	Cys25-nitrosylation inactivates papain. <i>IUBMB Life</i> , 1998, 46, 425-428.	3.4	5
287	Different structural effects of allosteric modulators on subunits of tetrameric ferrous nitrosylated human hemoglobin: an EPR spectroscopic study. <i>Journal of Biological Inorganic Chemistry</i> , 1998, 3, 135-139.	2.6	5
288	Protein minimization: characterization of the synthetic cyclic dodecapeptide corresponding to the reactive site region of the oil rape trypsin inhibitor type-III. <i>Biochemical and Biophysical Research Communications</i> , 2003, 302, 311-315.	2.1	5

#	ARTICLE	IF	CITATIONS
289	Peroxynitrite scavenging by ferryl sperm whale myoglobin and human hemoglobin. <i>Biochemical and Biophysical Research Communications</i> , 2009, 390, 27-31.	2.1	5
290	Reactivity of the human hemoglobin "Dark side". <i>IUBMB Life</i> , 2013, 65, 121-126.	3.4	5
291	Lanthanides-based catalysis in eukaryotes. <i>IUBMB Life</i> , 2018, 70, 1067-1075.	3.4	5
292	Reductive nitrosylation of ferric microperoxidase-11. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 21-29.	2.6	5
293	Fluoride and azide binding to ferric human hemoglobin:haptoglobin complexes highlights the ligand-dependent inequivalence of the α 1 and α 2 hemoglobin chains. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 247-255.	2.6	5
294	Binding of the soybean Bowman-Birk proteinase inhibitor and of its chymotrypsin and trypsin inhibiting fragments to bovine α 1-chymotrypsin and bovine α 2-trypsin. A thermodynamic study. <i>Journal of Molecular Recognition</i> , 1990, 3, 192-196.	2.1	4
295	Binding of the Recombinant Proteinase Inhibitor Eglinc, of the Soybean Bowman-Birk Proteinase Inhibitor and of its Chymotrypsin and Trypsin Inhibiting Fragments to Leu-Proteinase, the Leucine Specific Serine Proteinase from Spinach (<i>Spinacia oleracea</i> L.) Leaves: Thermodynamic Study. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1991, 4, 283-288.	0.5	4
296	Selective oxidation of methionyl residues in the human recombinant secretory leukocyte proteinase inhibitor. Effect on the inhibitor binding properties. <i>Journal of Molecular Recognition</i> , 1994, 7, 31-37.	2.1	4
297	Proton-linked subunit heterogeneity in ferrous nitrosylated human adult hemoglobin: an EPR study. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 1255-1259.	3.5	4
298	CO2 impairs peroxynitrite-mediated inhibition of human caspase-3. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 367-371.	2.1	4
299	Warfarin inhibits allosterically the reductive nitrosylation of ferric human serum heme-albumin. <i>Journal of Inorganic Biochemistry</i> , 2017, 177, 63-75.	3.5	4
300	No Lanthanides-based Catalysis in Eukaryotes. <i>IUBMB Life</i> , 2018, 71, 398-399.	3.4	4
301	High Serum Levels of Toxin A Correlate with Disease Severity in Patients with <i>Clostridioides difficile</i> Infection. <i>Antibiotics</i> , 2021, 10, 1093.	3.7	4
302	Hydroxylamine-induced oxidation of ferrous nitrobindins. <i>Journal of Biological Inorganic Chemistry</i> , 2022, , 1.	2.6	4
303	Serum albumin and nucleic acids biodistribution: From molecular aspects to biotechnological applications. <i>IUBMB Life</i> , 2022, 74, 866-879.	3.4	4
304	Inhibition of Serine Proteinases by P-Carboxyphenyl Esters of β -Guanidino- And β -Amino Caproic Acid: Thermodynamic and Molecular Modeling Study. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1989, 2, 249-259.	0.5	3
305	Binding of the Bovine and Porcine Pancreatic Secretory Trypsin Inhibitor (Kazal) To Human Leukocyte Elastase: A Thermodynamic Study. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1991, 5, 207-213.	0.5	3
306	Competitive Inhibition of Lens Xulinaris. Copper Amine Oxidase by Amiloride, p-Aminobenzamidine, Clonidine, 4,6-Diamidino-2-Phenylindole and Gabexate Mesylate: A Comparative Study. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1998, 13, 465-471.	0.5	3

#	ARTICLE	IF	CITATIONS
307	Stabilization of the T-state of human hemoglobin by proflavine, an antiseptic drug. IUBMB Life, 1999, 47, 991-995.	3.4	3
308	Serine proteinase inhibition by the active site titrant N ^ε -((N,N-dimethylcarbamoyl)-L-tyrosyl)-L-tyrosine p-nitrophenyl ester. FEBS Journal, 2000, 267, 1239-1246.	0.2	3
309	The Rhodococcus sp. Cocaine Esterase: A Bacterial Candidate for Novel Pharmacokinetic-based Therapies for Cocaine Abuse. IUBMB Life, 2003, 55, 397-402.	3.4	3
310	Ferricyanide-mediated oxidation of ferrous nitrosylated sperm whale myoglobin involves the formation of the ferric nitrosylated intermediate. Biochemical and Biophysical Research Communications, 2007, 359, 871-876.	2.1	3
311	Ac-tLeu-Asp-H is the minimal and highly effective human caspase-3 inhibitor: biological and in silico studies. Amino Acids, 2015, 47, 153-162.	2.7	3
312	Enhanced heme accessibility in horse heart mini-myoglobin: Insights from molecular modelling and reactivity studies. Archives of Biochemistry and Biophysics, 2015, 585, 1-9.	3.0	3
313	Hydroxylamine-induced oxidation of ferrous carbonylated truncated hemoglobins from Mycobacterium tuberculosis and Campylobacter jejuni is limited by carbon monoxide dissociation. Journal of Biological Inorganic Chemistry, 2017, 22, 977-986.	2.6	3
314	Ligand-dependent inequivalence of the α and β subunits of ferric human hemoglobin bound to haptoglobin. Journal of Inorganic Biochemistry, 2020, 202, 110814.	3.5	3
315	Kinetics of cyanide and carbon monoxide dissociation from ferrous human haptoglobin:hemoglobin(II) complexes. Journal of Biological Inorganic Chemistry, 2020, 25, 351-360.	2.6	3
316	Thermodynamic Modeling of Internal Equilibria Involved in the Activation of Trypsinogen. Journal of Biomolecular Structure and Dynamics, 1990, 7, 959-972.	3.5	2
317	Binding of the Bovine Basic Pancreatic Trypsin Inhibitor (Kunitz) to the 33,000Mr and 54,000Mr Species of Human Urokinase: Thermodynamic Study. Journal of Enzyme Inhibition and Medicinal Chemistry, 1990, 4, 51-55.	0.5	2
318	Is There an Answer? - Coordinated by Frank Vella. IUBMB Life, 2003, 55, 49-50.	3.4	2
319	Cyanide binding to human plasma heme "hemopexin: A comparative study. Biochemical and Biophysical Research Communications, 2012, 428, 239-244.	2.1	2
320	The drug-dependent five- to six-coordination transition of the heme-Fe atom modulates allosterically human serum heme-albumin reactivity. Rendiconti Lincei, 2017, 28, 207-215.	2.2	2
321	Haptoglobin and the related haptoglobin protein: the N-terminus makes the difference. Journal of Biomolecular Structure and Dynamics, 2020, , 1-10.	3.5	2
322	Structural Consensus Rules for Cysteine Protease Inhibition by NO(-Donors). Current Enzyme Inhibition, 2005, 1, 231-238.	0.4	2
323	Neuroglobin and Estrogen Receptors: A New Pathway of Cell Survival and Cell Death Balance. Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry, 2015, 14, 91-99.	0.5	2
324	Competitive inhibition of mouse brain nitric oxide synthase by amiloride: a case for enzyme cross-inhibition. IUBMB Life, 1997, 43, 507-511.	3.4	1

#	ARTICLE	IF	CITATIONS
325	Hydroxylamine-induced oxidation of ferrous CO-bound carboxymethylated-cytochrome c. Journal of Porphyrins and Phthalocyanines, 2018, 22, 1082-1091.	0.8	1
326	How I Became a Biochemist. IUBMB Life, 2005, 57, 599-601.	3.4	0
327	Thrombin Inhibition by the Highly Selective α -Reversible Suicide Substrate α ™ N-Ethoxycarbonyl-D-Phenylalanyl-L-Prolyl- β -Azalysine p-Nitrophenyl Ester. Protein and Peptide Letters, 2005, 12, 433-438.	0.9	0
328	The De Filippi scientific expedition to the Western Himalaya, Karakorum and Chinese Turkestan (1913-1914): a memory one hundred years after. Rendiconti Lincei, 2015, 26, 357-367.	2.2	0
329	Kinetic inequivalence between $\hat{1}$ and $\hat{1}^2$ subunits of ligand dissociation from ferrous nitrosylated human haptoglobin:hemoglobin complexes. A comparison with O ₂ and CO dissociation. Journal of Inorganic Biochemistry, 2021, 214, 111272.	3.5	0
330	Introductory remarks. Molecular Aspects of Medicine, 2022, , 101065.	6.4	0