

Massimiliano Coletta

List of Publications by Year in descending order

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239
papers

6,034
citations

66234

42
h-index

128067

60
g-index

243
all docs

243
docs citations

243
times ranked

6551
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of hemoglobin structural-functional relationships in oxygen transport. <i>Molecular Aspects of Medicine</i> , 2022, 84, 101022.	2.7	18
2	Insulin-Degrading Enzyme Is a Non Proteasomal Target of Carfilzomib and Affects the 20S Proteasome Inhibition by the Drug. <i>Biomolecules</i> , 2022, 12, 315.	1.8	3
3	Silybins are stereospecific regulators of the 20S Proteasome. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 66, 116813.	1.4	3
4	Hydroxylamine-induced oxidation of ferrous nitrobindins. <i>Journal of Biological Inorganic Chemistry</i> , 2022, , 1.	1.1	4
5	Modulation of the 20S Proteasome Activity by Porphyrin Derivatives Is Steered through Their Charge Distribution. <i>Biomolecules</i> , 2022, 12, 741.	1.8	0
6	A novel and atypical NF-KB pro-inflammatory program regulated by a CamKII-proteasome axis is involved in the early activation of Muller glia by high glucose. <i>Cell and Bioscience</i> , 2022, 12, .	2.1	8
7	Kinetic inequivalence between $\hat{1}\pm$ and $\hat{1}^2$ subunits of ligand dissociation from ferrous nitrosylated human haptoglobin:hemoglobin complexes. A comparison with O ₂ and CO dissociation. <i>Journal of Inorganic Biochemistry</i> , 2021, 214, 111272.	1.5	0
8	Mycobacterial and Human Ferrous Nitrobindins: Spectroscopic and Reactivity Properties. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1674.	1.8	10
9	Citicoline in Ophthalmological Neurodegenerative Disease: A Comprehensive Review. <i>Pharmaceuticals</i> , 2021, 14, 281.	1.7	13
10	Dexamethasone Downregulates Autophagy through Accelerated Turn-Over of the Ulk-1 Complex in a Trabecular Meshwork Cells Strain: Insights on Steroid-Induced Glaucoma Pathogenesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5891.	1.8	12
11	The interplay between lipid and \hat{A}^2 amyloid homeostasis in Alzheimer's Disease: risk factors and therapeutic opportunities. <i>Chemistry and Physics of Lipids</i> , 2021, 236, 105072.	1.5	16
12	Proteasome inhibition by bortezomib parallels a reduction in head and neck cancer cells growth, and an increase in tumor-infiltrating immune cells. <i>Scientific Reports</i> , 2021, 11, 19051.	1.6	18
13	Effects of Extracellular Osteoanabolic Agents on the Endogenous Response of Osteoblastic Cells. <i>Cells</i> , 2021, 10, 2383.	1.8	6
14	Oxygen-mediated oxidation of ferrous nitrosylated nitrobindins. <i>Journal of Inorganic Biochemistry</i> , 2021, 224, 111579.	1.5	10
15	Structural and (Pseudo-)Enzymatic Properties of Neuroglobin: Its Possible Role in Neuroprotection. <i>Cells</i> , 2021, 10, 3366.	1.8	10
16	Ligand-dependent inequivalence of the $\hat{1}\pm$ and $\hat{1}^2$ subunits of ferric human hemoglobin bound to haptoglobin. <i>Journal of Inorganic Biochemistry</i> , 2020, 202, 110814.	1.5	3
17	Effects of oral administration of common antioxidant supplements on the energy metabolism of red blood cells. Attenuation of oxidative stress-induced changes in Rett syndrome erythrocytes by CoQ10. <i>Molecular and Cellular Biochemistry</i> , 2020, 463, 101-113.	1.4	14
18	Pyrazolones Activate the Proteasome by Gating Mechanisms and Protect Neuronal Cells from $\hat{1}^2$ Amyloid Toxicity. <i>ChemMedChem</i> , 2020, 15, 302-316.	1.6	15

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19	Role of proteolytic enzymes in the COVID-19 infection and promising therapeutic approaches. <i>Biochemical Pharmacology</i> , 2020, 182, 114225.	2.0	83
20	Cooperative Binding of the Cationic Porphyrin Tris-T4 Enhances Catalytic Activity of 20S Proteasome Unveiling a Complex Distribution of Functional States. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7190.	1.8	7
21	Haptoglobin: From hemoglobin scavenging to human health. <i>Molecular Aspects of Medicine</i> , 2020, 73, 100851.	2.7	62
22	NO Scavenging through Reductive Nitrosylation of Ferric Mycobacterium tuberculosis and Homo sapiens Nitrobindins. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9395.	1.8	10
23	Ferric nitrosylated myoglobin catalyzes peroxynitrite scavenging. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 361-370.	1.1	6
24	Kinetics of cyanide and carbon monoxide dissociation from ferrous human haptoglobin:hemoglobin(II) complexes. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 351-360.	1.1	3
25	Defective proteasome biogenesis into skin fibroblasts isolated from Rett syndrome subjects with MeCP2 non-sense mutations. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165793.	1.8	11
26	Structural and functional evidence for citicoline binding and modulation of 20S proteasome activity: Novel insights into its pro-proteostatic effect. <i>Biochemical Pharmacology</i> , 2020, 177, 113977.	2.0	13
27	Mycobacterial and Human Nitrobindins: Structure and Function. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 229-246.	2.5	17
28	Is there a relationship between dopamine and rhegmatogenous retinal detachment?. <i>Neural Regeneration Research</i> , 2020, 15, 311.	1.6	5
29	Gelatinolytic activity in gingival crevicular fluid and saliva of growing patients with Marfan syndrome: a case-control study. <i>BMC Oral Health</i> , 2019, 19, 161.	0.8	5
30	Oxygen dissociation from ferrous oxygenated human hemoglobin:haptoglobin complexes confirms that in the R-state $\hat{1}\alpha$ and $\hat{1}\beta$ chains are functionally heterogeneous. <i>Scientific Reports</i> , 2019, 9, 6780.	1.6	8
31	Reductive nitrosylation of ferric microperoxidase-11. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 21-29.	1.1	5
32	Fluoride and azide binding to ferric human hemoglobin:haptoglobin complexes highlights the ligand-dependent inequivalence of the $\hat{1}\alpha$ and $\hat{1}\beta$ hemoglobin chains. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 247-255.	1.1	5
33	Folding mechanisms steer the amyloid fibril formation propensity of highly homologous proteins. <i>Chemical Science</i> , 2018, 9, 3290-3298.	3.7	18
34	Development of Potent Inhibitors of the <i>Mycobacterium tuberculosis</i> Virulence Factor Zmp1 and Evaluation of Their Effect on Mycobacterial Survival inside Macrophages. <i>ChemMedChem</i> , 2018, 13, 422-430.	1.6	43
35	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.	1.1	13
36	The insulin-degrading enzyme is an allosteric modulator of the 20S proteasome and a potential competitor of the 19S. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 3441-3456.	2.4	36

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37	Hydroxylamine-induced oxidation of ferrous CO-bound carboxymethylated-cytochrome c. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018, 22, 1082-1091.	0.4	1
38	Peroxynitrite Detoxification by Human Haptoglobin:Hemoglobin Complexes: A Comparative Study. <i>Journal of Physical Chemistry B</i> , 2018, 122, 11100-11107.	1.2	10
39	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.	1.5	9
40	Simulated microgravity induces a cellular regression of the mature phenotype in human primary osteoblasts. <i>Cell Death Discovery</i> , 2018, 4, 59.	2.0	19
41	Insights into Proteasome Conformation Dynamics and Intersubunit Communication. <i>Trends in Biochemical Sciences</i> , 2018, 43, 852-853.	3.7	7
42	Design, Synthesis, and Biological Evaluation of Tetrahydro- β -carboline Derivatives as Selective Sub-nanomolar Gelatinase Inhibitors. <i>ChemMedChem</i> , 2018, 13, 1343-1352.	1.6	4
43	The enzymatic processing of β -dystroglycan by MMP-2 is controlled by two anchoring sites distinct from the active site. <i>PLoS ONE</i> , 2018, 13, e0192651.	1.1	4
44	Reductive nitrosylation of ferric carboxymethylated-cytochrome c. <i>Journal of Porphyrins and Phthalocyanines</i> , 2017, 21, 1-9.	0.4	24
45	Oxygen exchange and energy metabolism in erythrocytes of Rett syndrome and their relationships with respiratory alterations. <i>Molecular and Cellular Biochemistry</i> , 2017, 426, 205-213.	1.4	6
46	The Met80Ala and Tyr67His/Met80Ala mutants of human cytochrome c shed light on the reciprocal role of Met80 and Tyr67 in regulating ligand access into the heme pocket. <i>Journal of Inorganic Biochemistry</i> , 2017, 169, 86-96.	1.5	20
47	Multiple functions of insulin-degrading enzyme: a metabolic crosslight?. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2017, 52, 554-582.	2.3	73
48	The double faced role of copper in Al^{2+} homeostasis: A survey on the interrelationship between metal dyshomeostasis, UPS functioning and autophagy in neurodegeneration. <i>Coordination Chemistry Reviews</i> , 2017, 347, 1-22.	9.5	39
49	Retention of Mitochondria in Mature Human Red Blood Cells as the Result of Autophagy Impairment in Rett Syndrome. <i>Scientific Reports</i> , 2017, 7, 12297.	1.6	28
50	Warfarin inhibits allosterically the reductive nitrosylation of ferric human serum heme-albumin. <i>Journal of Inorganic Biochemistry</i> , 2017, 177, 63-75.	1.5	4
51	Electrostatic Map Of Proteasome β -Rings Encodes The Design of Allosteric Porphyrin-Based Inhibitors Able To Affect 20S Conformation By Cooperative Binding. <i>Scientific Reports</i> , 2017, 7, 17098.	1.6	10
52	Hydroxylamine-induced oxidation of ferrous carbonylated truncated hemoglobins from <i>Mycobacterium tuberculosis</i> and <i>Campylobacter jejuni</i> is limited by carbon monoxide dissociation. <i>Journal of Biological Inorganic Chemistry</i> , 2017, 22, 977-986.	1.1	3
53	Enzyme catalysis: the case of the prostate-specific antigen. <i>Rendiconti Lincei</i> , 2017, 28, 229-237.	1.0	2
54	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.	1.1	40

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55	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.	1.1	10
56	Structure–function relationships in human cytochrome c: The role of tyrosine 67. <i>Journal of Inorganic Biochemistry</i> , 2016, 155, 56-66.	1.5	31
57	Multiple allosteric sites are involved in the modulation of insulin-degrading enzyme activity by somatostatin. <i>FEBS Journal</i> , 2016, 283, 3755-3770.	2.2	18
58	Cyanide binding to ferrous and ferric microperoxidase-11. <i>Journal of Biological Inorganic Chemistry</i> , 2016, 21, 511-522.	1.1	8
59	Cationic porphyrins are tunable gatekeepers of the 20S proteasome. <i>Chemical Science</i> , 2016, 7, 1286-1297.	3.7	27
60	Functional and Spectroscopic Characterization of <i>Chlamydomonas reinhardtii</i> Truncated Hemoglobins. <i>PLoS ONE</i> , 2015, 10, e0125005.	1.1	13
61	Structural Bases for the Regulation of CO Binding in the Archaeal Protoglobin from <i>Methanosarcina acetivorans</i> . <i>PLoS ONE</i> , 2015, 10, e0125959.	1.1	3
62	Î±-dystroglycan is a potential target of matrix metalloproteinase MMP-2. <i>Matrix Biology</i> , 2015, 41, 2-7.	1.5	12
63	Ferric microperoxidase-11 catalyzes peroxyxynitrite isomerization. <i>Journal of Inorganic Biochemistry</i> , 2015, 144, 56-61.	1.5	12
64	Novel Platinum(II) compounds modulate insulin-degrading enzyme activity and induce cell death in neuroblastoma cells. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 101-108.	1.1	10
65	Enhanced heme accessibility in horse heart mini-myoglobin: Insights from molecular modelling and reactivity studies. <i>Archives of Biochemistry and Biophysics</i> , 2015, 585, 1-9.	1.4	3
66	Cardiolipin-cytochrome <i>c</i> complex: Switching cytochrome <i>c</i> from an electron-transfer shuttle to a myoglobin- and a peroxidase-like heme-protein. <i>IUBMB Life</i> , 2015, 67, 98-109.	1.5	45
67	NO ²⁺ -mediated nitrosylation of ferrous microperoxidase-11. <i>Journal of Inorganic Biochemistry</i> , 2015, 153, 121-127.	1.5	10
68	Ligand Binding to the FA3-FA4 Cleft Inhibits the Esterase-Like Activity of Human Serum Albumin. <i>PLoS ONE</i> , 2015, 10, e0120603.	1.1	8
69	Proteasome Activity Is Affected by Fluctuations in Insulin-Degrading Enzyme Distribution. <i>PLoS ONE</i> , 2015, 10, e0132455.	1.1	25
70	Membrane Cholesterol Modulates LOX-1 Shedding in Endothelial Cells. <i>PLoS ONE</i> , 2015, 10, e0141270.	1.1	22
71	Drugs Modulate Allosterically Heme-Fe-Recognition by Human Serum Albumin and Heme-Fe-Mediated Reactivity. <i>Current Pharmaceutical Design</i> , 2015, 21, 1837-1847.	0.9	8
72	Characterization of the Prostate-Specific Antigen (PSA) Catalytic Mechanism: A Pre-Steady-State and Steady-State Study. <i>PLoS ONE</i> , 2014, 9, e102470.	1.1	7

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73	Cardiolipin modulates allosterically the nitrite reductase activity of horse heart cytochrome c. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 1195-1201.	1.1	18
74	Reductive nitrosylation of the cardiolipin-ferric cytochrome c complex. <i>IUBMB Life</i> , 2014, 66, 438-447.	1.5	12
75	Nitrite-Reductase and Peroxynitrite Isomerization Activities of <i>Methanosarcina acetivorans</i> Protoglobin. <i>PLoS ONE</i> , 2014, 9, e95391.	1.1	13
76	Nitrosylation Mechanisms of <i>Mycobacterium tuberculosis</i> and <i>Campylobacter jejuni</i> Truncated Hemoglobins N, O, and P. <i>PLoS ONE</i> , 2014, 9, e102811.	1.1	19
77	Role of Metalloproteinases in Tendon Pathophysiology. <i>Mini-Reviews in Medicinal Chemistry</i> , 2014, 14, 978-987.	1.1	14
78	Functional and structural roles of the N-terminal extension in <i>Methanosarcina acetivorans</i> protoglobin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 1813-1823.	1.1	11
79	Warfarin modulates the nitrite reductase activity of ferrous human serum heme- α -albumin. <i>Journal of Biological Inorganic Chemistry</i> , 2013, 18, 939-946.	1.1	18
80	Insulin-degrading Enzyme (IDE). <i>Journal of Biological Chemistry</i> , 2013, 288, 2281-2289.	1.6	61
81	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.	1.1	27
82	Reductive nitrosylation of <i>Methanosarcina acetivorans</i> protoglobin: A comparative study. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 1301-1305.	1.0	16
83	Role of Lysines in Cytochrome c-Cardiolipin Interaction. <i>Biochemistry</i> , 2013, 52, 4578-4588.	1.2	83
84	Reciprocal Allosteric Modulation of Carbon Monoxide and Warfarin Binding to Ferrous Human Serum Heme-Albumin. <i>PLoS ONE</i> , 2013, 8, e58842.	1.1	15
85	Structure and Haem-Distal Site Plasticity in <i>Methanosarcina acetivorans</i> Protoglobin. <i>PLoS ONE</i> , 2013, 8, e66144.	1.1	19
86	Isoniazid Inhibits the Heme-Based Reactivity of <i>Mycobacterium tuberculosis</i> Truncated Hemoglobin N. <i>PLoS ONE</i> , 2013, 8, e69762.	1.1	26
87	Increased malondialdehyde concentration and reduced total antioxidant capacity in aqueous humor and blood samples from patients with glaucoma. <i>Molecular Vision</i> , 2013, 19, 1841-6.	1.1	63
88	ATP regulation of the ligand-binding properties in temperate and cold-adapted haemoglobins. X-ray structure and ligand-binding kinetics in the sub-Antarctic fish <i>Eleginops maclovinus</i> . <i>Molecular BioSystems</i> , 2012, 8, 3295.	2.9	12
89	Enzymatic processing by MMP-2 and MMP-9 of wild-type and mutated mouse β -dystroglycan. <i>IUBMB Life</i> , 2012, 64, 988-994.	1.5	20
90	Human matrix metalloproteinases: An ubiquitous class of enzymes involved in several pathological processes. <i>Molecular Aspects of Medicine</i> , 2012, 33, 119-208.	2.7	194

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91	Pseudo-enzymatic hydrolysis of 4-nitrophenyl acetate by human serum albumin: pH-dependence of rates of individual steps. <i>Biochemical and Biophysical Research Communications</i> , 2012, 424, 451-455.	1.0	18
92	Metal ions affect insulin-degrading enzyme activity. <i>Journal of Inorganic Biochemistry</i> , 2012, 117, 351-358.	1.5	48
93	Functional characterization of the <i>Mycobacterium tuberculosis</i> zinc metallopeptidase Zmp1 and identification of potential substrates. <i>Biological Chemistry</i> , 2012, 393, 631-640.	1.2	24
94	Somatostatin Modulates Insulin-Degrading-Enzyme Metabolism: Implications for the Regulation of Microglia Activity in AD. <i>PLoS ONE</i> , 2012, 7, e34376.	1.1	39
95	The collagenolytic action of MMP-1 is regulated by the interaction between the catalytic domain and the hinge region. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 663-672.	1.1	18
96	CO metabolism, sensing, and signaling. <i>BioFactors</i> , 2012, 38, 1-13.	2.6	51
97	Evidence for pH-dependent multiple conformers in iron(II) heme- <i>human serum albumin</i> : spectroscopic and kinetic investigation of carbon monoxide binding. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 133-147.	1.1	13
98	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.	1.1	13
99	Cardiolipin modulates allosterically peroxynitrite detoxification by horse heart cytochrome c. <i>Biochemical and Biophysical Research Communications</i> , 2011, 404, 190-194.	1.0	30
100	O ₂ -mediated oxidation of ferrous nitrosylated human serum heme- <i>albumin</i> is limited by nitrogen monoxide dissociation. <i>Biochemical and Biophysical Research Communications</i> , 2011, 406, 112-116.	1.0	10
101	Ibuprofen and warfarin modulate allosterically ferrous human serum heme- <i>albumin</i> nitrosylation. <i>Biochemical and Biophysical Research Communications</i> , 2011, 411, 185-189.	1.0	13
102	Peroxynitrite detoxification by horse heart carboxymethylated cytochrome c is allosterically modulated by cardiolipin. <i>Biochemical and Biophysical Research Communications</i> , 2011, 415, 463-467.	1.0	23
103	Ibuprofen impairs allosterically peroxynitrite isomerization by ferric human serum heme- <i>albumin</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 29441.	1.6	0
104	Isoniazid and rifampicin inhibit allosterically heme binding to albumin and peroxynitrite isomerization by heme- <i>albumin</i> . <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 97-108.	1.1	28
105	The peculiar heme pocket of the 2/2 hemoglobin of cold-adapted <i>Pseudoalteromonas haloplanktis</i> TAC125. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 299-311.	1.1	21
106	Cardiolipin drives cytochrome <i>c</i> proapoptotic and antiapoptotic actions. <i>IUBMB Life</i> , 2011, 63, 160-165.	1.5	33
107	Structural heterogeneity and ligand gating in ferric <i>Methanosarcina acetivorans</i> protoglobin mutants. <i>IUBMB Life</i> , 2011, 63, 287-294.	1.5	15
108	Ligand- and proton-linked conformational changes of the ferrous 2/2 hemoglobin of <i>Pseudoalteromonas haloplanktis</i> TAC125. <i>IUBMB Life</i> , 2011, 63, 566-573.	1.5	15

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109	Copper(I) and Copper(II) Inhibit $\text{A}\beta^2$ Peptides Proteolysis by Insulin-Degrading Enzyme Differently: Implications for Metallostasis Alteration in Alzheimer's Disease. <i>Chemistry - A European Journal</i> , 2011, 17, 2752-2762.	1.7	68
110	Crystal Structure of Mycobacterium tuberculosis Zinc-dependent Metalloprotease-1 (Zmp1), a Metalloprotease Involved in Pathogenicity. <i>Journal of Biological Chemistry</i> , 2011, 286, 32475-32482.	1.6	31
111	Lipid peroxidation and total antioxidant capacity in vitreous, aqueous humor, and blood samples from patients with diabetic retinopathy. <i>Molecular Vision</i> , 2011, 17, 1298-304.	1.1	75
112	Cytochromes: Reactivity of the "dark side" of the heme. <i>Biophysical Chemistry</i> , 2010, 152, 21-27.	1.5	19
113	Extended cardiolipin anchorage to cytochrome c: a model for protein-mitochondrial membrane binding. <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 689-700.	1.1	105
114	pH dependence of the enzymatic processing of collagen I by MMP-1 (fibroblast collagenase), MMP-2 (gelatinase A), and MMP-14 ectodomain. <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 1219-1232.	1.1	29
115	Reductive nitrosylation of ferric human serum heme-albumin. <i>FEBS Journal</i> , 2010, 277, 2474-2485.	2.2	26
116	High Protein Structural Flexibility Of A Truncated Hemoglobin From An Antarctic Cold-Adapted Bacterium. , 2010, , .		0
117	Reductive nitrosylation of ferric cyanide horse heart myoglobin is limited by cyanide dissociation. <i>Biochemical and Biophysical Research Communications</i> , 2010, 393, 196-200.	1.0	20
118	Ibuprofen Impairs Allosterically Peroxynitrite Isomerization by Ferric Human Serum Heme-Albumin. <i>Journal of Biological Chemistry</i> , 2009, 284, 31006-31017.	1.6	40
119	Catalytic peroxidation of nitrogen monoxide and peroxynitrite by globins. <i>IUBMB Life</i> , 2009, 61, 62-73.	1.5	28
120	Enzymatic processing of β -1,3-glycosylated recombinant ectodomain by MMP-9: Identification of the main cleavage site. <i>IUBMB Life</i> , 2009, 61, 1143-1152.	1.5	21
121	Reversible two-step unfolding of heme-human serum albumin: a $^1\text{H-NMR}$ relaxometric and circular dichroism study. <i>Journal of Biological Inorganic Chemistry</i> , 2009, 14, 209-217.	1.1	17
122	Peroxynitrite detoxification by ferryl Mycobacterium leprae truncated hemoglobin O. <i>Biochemical and Biophysical Research Communications</i> , 2009, 380, 392-396.	1.0	16
123	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.	1.0	32
124	Peroxynitrite scavenging by ferryl sperm whale myoglobin and human hemoglobin. <i>Biochemical and Biophysical Research Communications</i> , 2009, 390, 27-31.	1.0	5
125	Somatostatin: A Novel Substrate and a Modulator of Insulin-Degrading Enzyme Activity. <i>Journal of Molecular Biology</i> , 2009, 385, 1556-1567.	2.0	67
126	The Collagen Binding Domain of Gelatinase A Modulates Degradation of Collagen IV by Gelatinase B. <i>Journal of Molecular Biology</i> , 2009, 386, 419-434.	2.0	44

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127	HisE11 and HisF8 Provide Bis-histidyl Heme Hexa-coordination in the Globin Domain of <i>Geobacter sulfurreducens</i> Globin-coupled Sensor. <i>Journal of Molecular Biology</i> , 2009, 386, 246-260.	2.0	47
128	Combining 4-Aminoquinoline- and Clotrimazole-Based Pharmacophores toward Innovative and Potent Hybrid Antimalarials. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 502-513.	2.9	55
129	Determination of their <i>in vitro</i> activity of fluconazole against yeast strains using HPLC. <i>Annals of Microbiology</i> , 2008, 58, 755-760.	1.1	0
130	Cooperativity and allostery in haemoglobin function. <i>IUBMB Life</i> , 2008, 60, 112-123.	1.5	17
131	Ferrous <i>Campylobacter jejuni</i> truncated hemoglobin _{FP} displays an extremely high reactivity for cyanide – a comparative study. <i>FEBS Journal</i> , 2008, 275, 633-645.	2.2	24
132	Archaeal protoglobin structure indicates new ligand diffusion paths and modulation of haem reactivity. <i>EMBO Reports</i> , 2008, 9, 157-163.	2.0	43
133	Insights into Cytochrome <i>c</i> Cardiolipin Interaction. Role Played by Ionic Strength. <i>Biochemistry</i> , 2008, 47, 6928-6935.	1.2	121
134	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.	1.0	21
135	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.	1.0	26
136	Clotrimazole Scaffold as an Innovative Pharmacophore Towards Potent Antimalarial Agents: Design, Synthesis, and Biological and Structure-Activity Relationship Studies. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 1278-1294.	2.9	45
137	Kinetic Investigation of Porphyrin Interaction with Chiral Templates Reveals Unexpected Features of the Induction and Self-Propagation Mechanism of Chiral Memory. <i>Journal of the American Chemical Society</i> , 2008, 130, 10476-10477.	6.6	34
138	Structural Bases for Substrate and Inhibitor Recognition by Matrix Metalloproteinases. <i>Current Medicinal Chemistry</i> , 2008, 15, 2192-2222.	1.2	83
139	Characterization of a Globin-coupled Oxygen Sensor with a Gene-regulating Function. <i>Journal of Biological Chemistry</i> , 2007, 282, 37325-37340.	1.6	30
140	Modulation of the proteolytic activity of matrix metalloproteinase-2 (gelatinase A) on fibrinogen. <i>Biochemical Journal</i> , 2007, 402, 503-513.	1.7	33
141	Ferricyanide-mediated oxidation of ferrous nitrosylated sperm whale myoglobin involves the formation of the ferric nitrosylated intermediate. <i>Biochemical and Biophysical Research Communications</i> , 2007, 359, 871-876.	1.0	3
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