

# Massimiliano Coletta

## List of Publications by Year in descending order

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239  
papers

6,034  
citations

66343  
42  
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128289  
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243  
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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.	6.4	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.	4.0	3
3	Silybins are stereospecific regulators of the 20S Proteasome. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 66, 116813.	3.0	3
4	Hydroxylamine-induced oxidation of ferrous nitrobindins. <i>Journal of Biological Inorganic Chemistry</i> , 2022, , 1.	2.6	4
5	Modulation of the 20S Proteasome Activity by Porphyrin Derivatives Is Steered through Their Charge Distribution. <i>Biomolecules</i> , 2022, 12, 741.	4.0	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, .	4.8	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 <sub>2</sub> and CO dissociation. <i>Journal of Inorganic Biochemistry</i> , 2021, 214, 111272.	3.5	0
8	Mycobacterial and Human Ferrous Nitrobindins: Spectroscopic and Reactivity Properties. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1674.	4.1	10
9	Citicoline in Ophthalmological Neurodegenerative Disease: A Comprehensive Review. <i>Pharmaceuticals</i> , 2021, 14, 281.	3.8	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.	4.1	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.	3.2	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.	3.3	18
13	Effects of Extracellular Osteoanabolic Agents on the Endogenous Response of Osteoblastic Cells. <i>Cells</i> , 2021, 10, 2383.	4.1	6
14	Oxygen-mediated oxidation of ferrous nitrosylated nitrobindins. <i>Journal of Inorganic Biochemistry</i> , 2021, 224, 111579.	3.5	10
15	Structural and (Pseudo-)Enzymatic Properties of Neuroglobin: Its Possible Role in Neuroprotection. <i>Cells</i> , 2021, 10, 3366.	4.1	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.	3.5	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.	3.1	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.	3.2	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.	4.4	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.	4.1	7
21	Haptoglobin: From hemoglobin scavenging to human health. <i>Molecular Aspects of Medicine</i> , 2020, 73, 100851.	6.4	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.	4.1	10
23	Ferric nitrosylated myoglobin catalyzes peroxynitrite scavenging. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 361-370.	2.6	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.	2.6	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.	3.8	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.	4.4	13
27	Mycobacterial and Human Nitrobindins: Structure and Function. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 229-246.	5.4	17
28	Is there a relationship between dopamine and rhegmatogenous retinal detachment?. <i>Neural Regeneration Research</i> , 2020, 15, 311.	3.0	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.	2.3	5
30	Oxygen dissociation from ferrous oxygenated human hemoglobin:haptoglobin complexes confirms that in the R-state $\alpha_1$ and $\beta_2$ chains are functionally heterogeneous. <i>Scientific Reports</i> , 2019, 9, 6780.	3.3	8
31	Reductive nitrosylation of ferric microperoxidase-11. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 21-29.	2.6	5
32	Fluoride and azide binding to ferric human hemoglobin:haptoglobin complexes highlights the ligand-dependent inequivalence of the $\alpha_1$ and $\beta_2$ hemoglobin chains. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 247-255.	2.6	5
33	Folding mechanisms steer the amyloid fibril formation propensity of highly homologous proteins. <i>Chemical Science</i> , 2018, 9, 3290-3298.	7.4	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.	3.2	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.	2.6	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.	5.4	36

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37	Hydroxylamine-induced oxidation of ferrous CO-bound carboxymethylated-cytochrome c. Journal of Porphyrins and Phthalocyanines, 2018, 22, 1082-1091.	0.8	1
38	Peroxynitrite Detoxification by Human Haptoglobin:Hemoglobin Complexes: A Comparative Study. Journal of Physical Chemistry B, 2018, 122, 11100-11107.	2.6	10
39	The nitrite reductase activity of ferrous human hemoglobin:haptoglobin 1-1 and 2-2 complexes. Journal of Inorganic Biochemistry, 2018, 187, 116-122.	3.5	9
40	Simulated microgravity induces a cellular regression of the mature phenotype in human primary osteoblasts. Cell Death Discovery, 2018, 4, 59.	4.7	19
41	Insights into Proteasome Conformation Dynamics and Intersubunit Communication. Trends in Biochemical Sciences, 2018, 43, 852-853.	7.5	7
42	Design, Synthesis, and Biological Evaluation of Tetrahydro- $\beta$ -carboline Derivatives as Selective Sub-nanomolar Gelatinase Inhibitors. ChemMedChem, 2018, 13, 1343-1352.	3.2	4
43	The enzymatic processing of $\beta$ -dystroglycan by MMP-2 is controlled by two anchoring sites distinct from the active site. PLoS ONE, 2018, 13, e0192651.	2.5	4
44	Reductive nitrosylation of ferric carboxymethylated-cytochrome c. Journal of Porphyrins and Phthalocyanines, 2017, 21, 1-9.	0.8	24
45	Oxygen exchange and energy metabolism in erythrocytes of Rett syndrome and their relationships with respiratory alterations. Molecular and Cellular Biochemistry, 2017, 426, 205-213.	3.1	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. Journal of Inorganic Biochemistry, 2017, 169, 86-96.	3.5	20
47	Multiple functions of insulin-degrading enzyme: a metabolic crosslight?. Critical Reviews in Biochemistry and Molecular Biology, 2017, 52, 554-582.	5.2	73
48	The double faced role of copper in $\text{Al}^{2+}$ homeostasis: A survey on the interrelationship between metal dyshomeostasis, UPS functioning and autophagy in neurodegeneration. Coordination Chemistry Reviews, 2017, 347, 1-22.	18.8	39
49	Retention of Mitochondria in Mature Human Red Blood Cells as the Result of Autophagy Impairment in Rett Syndrome. Scientific Reports, 2017, 7, 12297.	3.3	28
50	Warfarin inhibits allosterically the reductive nitrosylation of ferric human serum heme-albumin. Journal of Inorganic Biochemistry, 2017, 177, 63-75.	3.5	4
51	Electrostatic Map Of Proteasome $\beta$ -Rings Encodes The Design of Allosteric Porphyrin-Based Inhibitors Able To Affect 20S Conformation By Cooperative Binding. Scientific Reports, 2017, 7, 17098.	3.3	10
52	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
53	Enzyme catalysis: the case of the prostate-specific antigen. Rendiconti Lincei, 2017, 28, 229-237.	2.2	2
54	The key role played by charge in the interaction of cytochrome c with cardiolipin. Journal of Biological Inorganic Chemistry, 2017, 22, 19-29.	2.6	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.	2.6	10
56	Structure–function relationships in human cytochrome c: The role of tyrosine 67. <i>Journal of Inorganic Biochemistry</i> , 2016, 155, 56-66.	3.5	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.	4.7	18
58	Cyanide binding to ferrous and ferric microperoxidase-11. <i>Journal of Biological Inorganic Chemistry</i> , 2016, 21, 511-522.	2.6	8
59	Cationic porphyrins are tunable gatekeepers of the 20S proteasome. <i>Chemical Science</i> , 2016, 7, 1286-1297.	7.4	27
60	Functional and Spectroscopic Characterization of <i>Chlamydomonas reinhardtii</i> Truncated Hemoglobins. <i>PLoS ONE</i> , 2015, 10, e0125005.	2.5	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.	2.5	3
62	Î±-dystroglycan is a potential target of matrix metalloproteinase MMP-2. <i>Matrix Biology</i> , 2015, 41, 2-7.	3.6	12
63	Ferric microperoxidase-11 catalyzes peroxynitrite isomerization. <i>Journal of Inorganic Biochemistry</i> , 2015, 144, 56-61.	3.5	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.	2.6	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.	3.0	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.	3.4	45
67	NO <sub>2</sub> <sup>-</sup> -mediated nitrosylation of ferrous microperoxidase-11. <i>Journal of Inorganic Biochemistry</i> , 2015, 153, 121-127.	3.5	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.	2.5	8
69	Proteasome Activity Is Affected by Fluctuations in Insulin-Degrading Enzyme Distribution. <i>PLoS ONE</i> , 2015, 10, e0132455.	2.5	25
70	Membrane Cholesterol Modulates LOX-1 Shedding in Endothelial Cells. <i>PLoS ONE</i> , 2015, 10, e0141270.	2.5	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.	1.9	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.	2.5	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.	2.6	18
74	Reductive nitrosylation of the cardiolipin-ferric cytochrome c complex. <i>IUBMB Life</i> , 2014, 66, 438-447.	3.4	12
75	Nitrite-Reductase and Peroxynitrite Isomerization Activities of <i>Methanosarcina acetivorans</i> Protoglobin. <i>PLoS ONE</i> , 2014, 9, e95391.	2.5	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.	2.5	19
77	Role of Metalloproteinases in Tendon Pathophysiology. <i>Mini-Reviews in Medicinal Chemistry</i> , 2014, 14, 978-987.	2.4	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.	2.3	11
79	Warfarin modulates the nitrite reductase activity of ferrous human serum heme- $\alpha$ -albumin. <i>Journal of Biological Inorganic Chemistry</i> , 2013, 18, 939-946.	2.6	18
80	Insulin-degrading Enzyme (IDE). <i>Journal of Biological Chemistry</i> , 2013, 288, 2281-2289.	3.4	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.	2.3	27
82	Reductive nitrosylation of <i>Methanosarcina acetivorans</i> protoglobin: A comparative study. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 1301-1305.	2.1	16
83	Role of Lysines in Cytochrome c-Cardiolipin Interaction. <i>Biochemistry</i> , 2013, 52, 4578-4588.	2.5	83
84	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
85	Structure and Haem-Distal Site Plasticity in <i>Methanosarcina acetivorans</i> Protoglobin. <i>PLoS ONE</i> , 2013, 8, e66144.	2.5	19
86	Isoniazid Inhibits the Heme-Based Reactivity of <i>Mycobacterium tuberculosis</i> Truncated Hemoglobin N. <i>PLoS ONE</i> , 2013, 8, e69762.	2.5	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 $\beta$ -dystroglycan. <i>IUBMB Life</i> , 2012, 64, 988-994.	3.4	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.	6.4	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.	2.1	18
92	Metal ions affect insulin-degrading enzyme activity. <i>Journal of Inorganic Biochemistry</i> , 2012, 117, 351-358.	3.5	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.	2.5	24
94	Somatostatin Modulates Insulin-Degrading-Enzyme Metabolism: Implications for the Regulation of Microglia Activity in AD. <i>PLoS ONE</i> , 2012, 7, e34376.	2.5	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.	2.6	18
96	CO metabolism, sensing, and signaling. <i>BioFactors</i> , 2012, 38, 1-13.	5.4	51
97	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
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.	2.5	13
99	Cardiolipin modulates allosterically peroxynitrite detoxification by horse heart cytochrome c. <i>Biochemical and Biophysical Research Communications</i> , 2011, 404, 190-194.	2.1	30
100	O <sub>2</sub> -mediated oxidation of ferrous nitrosylated human serum heme–albumin is limited by nitrogen monoxide dissociation. <i>Biochemical and Biophysical Research Communications</i> , 2011, 406, 112-116.	2.1	10
101	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
102	Peroxyntirite 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
103	Ibuprofen impairs allosterically peroxynitrite isomerization by ferric human serum heme-albumin.. <i>Journal of Biological Chemistry</i> , 2011, 286, 29441.	3.4	0
104	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
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.	2.6	21
106	Cardiolipin drives cytochrome c proapoptotic and antiapoptotic actions. <i>IUBMB Life</i> , 2011, 63, 160-165.	3.4	33
107	Structural heterogeneity and ligand gating in ferric <i>methanosarcina acetivorans</i> protoglobin mutants. <i>IUBMB Life</i> , 2011, 63, 287-294.	3.4	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.	3.4	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. Chemistry - A European Journal, 2011, 17, 2752-2762.	3.3	68
110	Crystal Structure of Mycobacterium tuberculosis Zinc-dependent Metalloprotease-1 (Zmp1), a Metalloprotease Involved in Pathogenicity. Journal of Biological Chemistry, 2011, 286, 32475-32482.	3.4	31
111	Lipid peroxidation and total antioxidant capacity in vitreous, aqueous humor, and blood samples from patients with diabetic retinopathy. Molecular Vision, 2011, 17, 1298-304.	1.1	75
112	Cytochromes: Reactivity of the "dark side" of the heme. Biophysical Chemistry, 2010, 152, 21-27.	2.8	19
113	Extended cardiolipin anchorage to cytochrome c: a model for protein-mitochondrial membrane binding. Journal of Biological Inorganic Chemistry, 2010, 15, 689-700.	2.6	105
114	pH dependence of the enzymatic processing of collagen I by MMP-1 (fibroblast collagenase), MMP-2 (gelatinase A), and MMP-14 ectodomain. Journal of Biological Inorganic Chemistry, 2010, 15, 1219-1232.	2.6	29
115	Reductive nitrosylation of ferric human serum heme-albumin. FEBS Journal, 2010, 277, 2474-2485.	4.7	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. Biochemical and Biophysical Research Communications, 2010, 393, 196-200.	2.1	20
118	Ibuprofen Impairs Allosterically Peroxynitrite Isomerization by Ferric Human Serum Heme-Albumin. Journal of Biological Chemistry, 2009, 284, 31006-31017.	3.4	40
119	Catalytic peroxidation of nitrogen monoxide and peroxynitrite by globins. IUBMB Life, 2009, 61, 62-73.	3.4	28
120	Enzymatic processing of $\beta^2$ -dystroglycan recombinant ectodomain by MMP-9: Identification of the main cleavage site. IUBMB Life, 2009, 61, 1143-1152.	3.4	21
121	Reversible two-step unfolding of heme-human serum albumin: a $^1\text{H}$ -NMR relaxometric and circular dichroism study. Journal of Biological Inorganic Chemistry, 2009, 14, 209-217.	2.6	17
122	Peroxynitrite detoxification by ferryl Mycobacterium leprae truncated hemoglobin O. Biochemical and Biophysical Research Communications, 2009, 380, 392-396.	2.1	16
123	Ibuprofen modulates allosterically NO dissociation from ferrous nitrosylated human serum heme-albumin by binding to three sites. Biochemical and Biophysical Research Communications, 2009, 387, 83-86.	2.1	32
124	Peroxynitrite scavenging by ferryl sperm whale myoglobin and human hemoglobin. Biochemical and Biophysical Research Communications, 2009, 390, 27-31.	2.1	5
125	Somatostatin: A Novel Substrate and a Modulator of Insulin-Degrading Enzyme Activity. Journal of Molecular Biology, 2009, 385, 1556-1567.	4.2	67
126	The Collagen Binding Domain of Gelatinase A Modulates Degradation of Collagen IV by Gelatinase B. Journal of Molecular Biology, 2009, 386, 419-434.	4.2	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.	4.2	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.	6.4	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.	2.6	0
130	Cooperativity and allostery in haemoglobin function. <i>IUBMB Life</i> , 2008, 60, 112-123.	3.4	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.	4.7	24
132	Archaeal protoglobin structure indicates new ligand diffusion paths and modulation of haem reactivity. <i>EMBO Reports</i> , 2008, 9, 157-163.	4.5	43
133	Insights into Cytochrome c Cardiolipin Interaction. Role Played by Ionic Strength. <i>Biochemistry</i> , 2008, 47, 6928-6935.	2.5	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.	2.1	21
135	H <sub>2</sub> O <sub>2</sub> 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
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.	6.4	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.	13.7	34
138	Structural Bases for Substrate and Inhibitor Recognition by Matrix Metalloproteinases. <i>Current Medicinal Chemistry</i> , 2008, 15, 2192-2222.	2.4	83
139	Characterization of a Globin-coupled Oxygen Sensor with a Gene-regulating Function. <i>Journal of Biological Chemistry</i> , 2007, 282, 37325-37340.	3.4	30
140	Modulation of the proteolytic activity of matrix metalloproteinase-2 (gelatinase A) on fibrinogen. <i>Biochemical Journal</i> , 2007, 402, 503-513.	3.7	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.	2.1	3
142	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
143	Characterization of the Mechanisms by which Gelatinase A, Neutrophil Collagenase, and Membrane-Type Metalloproteinase MMP-14 Recognize Collagen I and Enzymatically Process the Two $\alpha$ -Chains. <i>Journal of Molecular Biology</i> , 2007, 368, 1101-1113.	4.2	65
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