Massimiliano Coletta

List of Publications by Year
in descending order

239	6,034	66343	128289
papers	citations	42 h-index	60 g-index

243	243	243	6551
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Human matrix metalloproteinases: An ubiquitarian class of enzymes involved in several pathological processes. Molecular Aspects of Medicine, 2012, 33, 119-208.	6.4	194
2	Application of Electronic Noses for Disease Diagnosis and Food Spoilage Detection. Sensors, 2006, 6, 1428-1439.	3.8	142
3	Insights into Cytochrome câ^'Cardiolipin Interaction. Role Played by Ionic Strength. Biochemistry, 2008, 47, 6928-6935.	2.5	121
4	AÎ²(31-35) and AÎ²(25-35) fragments of amyloid beta-protein induce cellular death through apoptotic signals: Role of the redox state of methionine-35. FEBS Letters, 2005, 579, 2913-2918.	2.8	119
5	Extended cardiolipin anchorage to cytochrome c: a model for proteinâ€“mitochondrial membrane binding. Journal of Biological Inorganic Chemistry, 2010, 15, 689-700.	2.6	105
6	Kinetics of sickle haemoglobin polymerization in single red cells. Nature, 1982, 300, 194-197.	27.8	101
7	Quinoxalinylethylpyridylthioureas (QXPTs) as Potent Non-Nucleoside HIV-1 Reverse Transcriptase (RT) Inhibitors. Further SAR Studies and Identification of a Novel Orally Bioavailable Hydrazine-Based Antiviral Agent. Journal of Medicinal Chemistry, 2001, 44, 305-315.	6.4	87
8	Structural Bases for Substrate and Inhibitor Recognition by Matrix Metalloproteinases. Current Medicinal Chemistry, 2008, 15, 2192-2222.	2.4	83
9	Role of Lysines in Cytochrome câ€“Cardiolipin Interaction. Biochemistry, 2013, 52, 4578-4588.	2.5	83
10	Role of proteolytic enzymes in the COVID-19 infection and promising therapeutic approaches. Biochemical Pharmacology, 2020, 182, 114225.	4.4	83
11	Myoglobin-NO at Low pH: Free Four-Coordinated Heme in the Protein Pocket. Biochemistry, 1995, 34, 2634-2644.	2.5	81
12	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
13	Effects of a natural extract from Mangifera indica L, and its active compound, mangiferin, on energy state and lipid peroxidation of red blood cells. Biochimica Et Biophysica Acta - General Subjects, 2006, 1760, 1333-1342.	2.4	74
14	Multiple functions of insulin-degrading enzyme: a metabolic crosslight?. Critical Reviews in Biochemistry and Molecular Biology, 2017, 52, 554-582.	5.2	73
15	Spectroscopic Evidence for a Conformational Transition in Horseradish Peroxidase at Very Low pH. Biochemistry, 1997, 36, 640-649.	2.5	70
16	Copper(I) and Copper(II) Inhibit AÎ² Peptides Proteolysis by Insulinâ€Đegrading Enzyme Differently: Implications for Metallostasis Alteration in Alzheimerâ€™s Disease. Chemistry - A European Journal, 2011, 17, 2752-2762.	3.3	68
17	Enzymatic processing of collagen IV by MMP-2 (gelatinase A) affects neutrophil migration and it is modulated by extracatalytic domains. Protein Science, 2006, 15, 2805-2815.	7.6	67
18	Somatostatin: A Novel Substrate and a Modulator of Insulin-Degrading Enzyme Activity. Journal of Molecular Biology, 2009, 385, 1556-1567.	4.2	67

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19	Characterization of the Mechanisms by which Gelatinase A, Neutrophil Collagenase, and Membrane-Type Metalloproteinase MMP-14 Recognize Collagen I and Enzymatically Process the Two Î±-Chains. Journal of Molecular Biology, 2007, 368, 1101-1113.	4.2	65
20	Increased malondialdehyde concentration and reduced total antioxidant capacity in aqueous humor and blood samples from patients with glaucoma. Molecular Vision, 2013, 19, 1841-6.	1.1	63
21	Haptoglobin: From hemoglobin scavenging to human health. Molecular Aspects of Medicine, 2020, 73, 100851.	6.4	62
22	Insulin-degrading Enzyme (IDE). Journal of Biological Chemistry, 2013, 288, 2281-2289.	3.4	61
23	Multimeric Self-assembly Equilibria Involving the Histone-like Protein H-NS. Journal of Biological Chemistry, 2000, 275, 729-734.	3.4	60
24	pH- and Temperature-Dependence of Functional Modulation in Metalloproteinases. A Comparison between Neutrophil Collagenase and Gelatinases A and B. Biophysical Journal, 2000, 79, 2138-2149.	0.5	59
25	A cooperative model for ligand binding to biological macromolecules as applied to oxygen carriers. Biophysical Chemistry, 1986, 23, 215-222.	2.8	56
26	Combining 4-Aminoquinoline- and Clotrimazole-Based Pharmacophores toward Innovative and Potent Hybrid Antimalarials. Journal of Medicinal Chemistry, 2009, 52, 502-513.	6.4	55
27	Functional Modulation by Lactate of Myoglobin. Journal of Biological Chemistry, 1996, 271, 16999-17001.	3.4	54
28	AÎ²(31â€“35) peptide induce apoptosis in PC 12 cells: Contrast with AÎ²(25â€“35) peptide and examination of underlying mechanisms. Neurochemistry International, 2005, 46, 575-583.	3.8	53
29	A thermodynamic model for the cooperative functional properties of the tetraheme cytochrome c3 from Desulfovibrio gigas. FEBS Journal, 1991, 202, 1101-1106.	0.2	51
30	CO metabolism, sensing, and signaling. BioFactors, 2012, 38, 1-13.	5.4	51
31	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
32	Metal ions affect insulin-degrading enzyme activity. Journal of Inorganic Biochemistry, 2012, 117, 351-358.	3.5	48
33	HisE11 and HisF8 Provide Bis-histidyl Heme Hexa-coordination in the Globin Domain of Geobacter sulfurreducens Globin-coupled Sensor. Journal of Molecular Biology, 2009, 386, 246-260.	4.2	47
34	Effect of pH on Axial Ligand Coordination of Cytochromecâ€˜Ââ€˜ fromMethylophilus methylotrophusand Horse Heart Cytochromecâ€. Biochemistry, 2000, 39, 8234-8242.	2.5	46
35	Anticooperative ligand binding properties of recombinant ferric Vitreoscilla homodimeric hemoglobin: A thermodynamic, kinetic and X-ray crystallographic study 1 1Edited by K. Nagei 2 2This paper is dedicated to Professor Giampaolo Bolognesi on the occasion of his 75th birthday.. Journal of Molecular Biology, 1999, 291, 637-650.	4.2	45
36	Clotrimazole Scaffold as an Innovative Pharmacophore Towards Potent Antimalarial Agents: Design, Synthesis, and Biological and Structureâ€“Activity Relationship Studies. Journal of Medicinal Chemistry, 2008, 51, 1278-1294.	6.4	45

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37	Cardiolipin-cytochromeccomplex: Switching cytochromecfrom an electron-transfer shuttle to a myoglobin- and a peroxidase-like heme-protein. IUBMB Life, 2015, 67, 98-109.	3.4	45
38	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
39	Specific Targeting Highly Conserved Residues in the HIV-1 Reverse Transcriptase Primer Grip Region. Design, Synthesis, and Biological Evaluation of Novel, Potent, and Broad Spectrum NNRTIs with Antiviral Activity. Journal of Medicinal Chemistry, 2005, 48, 7153-7165.	6.4	43
40	A rapid spectroscopic method to detect the fraudulent treatment of tuna fish with carbon monoxide. Food Chemistry, 2007, 101, 1071-1077.	8.2	43
41	Archaeal protoglobin structure indicates new ligand diffusion paths and modulation of haemâ€reactivity. EMBO Reports, 2008, 9, 157-163.	4.5	43
42	Development of Potent Inhibitors of the Mycobacterium tuberculosis Virulence Factor Zmp1 and Evaluation of Their Effect on Mycobacterial Survival inside Macrophages. ChemMedChem, 2018, 13, 422-430.	3.2	43
43	The heme-iron geometry of ferrous nitrosylated heme-serum lipoproteins, hemopexin, and albumin: a comparative EPR study. Journal of Inorganic Biochemistry, 2002, 91, 487-490.	3.5	42
44	Design of a New Mimochrome with Unique Topology. Chemistry - A European Journal, 2003, 9, 5643-5654.	3.3	42
45	Dynamics of the quaternary conformational change in trout hemoglobin. Biochemistry, 1991, 30, 6583-6598.	2.5	41
46	Pyrrolobenzoxazepinone Derivatives as Non-Nucleoside HIV-1 RT Inhibitors:Â Further Structureâ"Activity Relationship Studies and Identification of More Potent Broad-Spectrum HIV-1 RT Inhibitors with Antiviral Activity. Journal of Medicinal Chemistry, 1999, 42, 4462-4470.	6.4	40
47	Modulation of the Catalytic Activity of Neutrophil Collagenase MMP-8 on Bovine Collagen I. Journal of Biological Chemistry, 2002, 277, 23123-23130.	3.4	40
48	The truncated hemoglobin from Mycobacterium leprae. Biochemical and Biophysical Research Communications, 2002, 294, 1064-1070.	2.1	40
49	Ibuprofen Impairs Allosterically Peroxynitrite Isomerization by Ferric Human Serum Heme-Albumin. Journal of Biological Chemistry, 2009, 284, 31006-31017.	3.4	40
50	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
51	A new and efficient synthesis of ortho- and para-benzoquinones of cardanol derivatives by the catalytic system MeReO3â€"H2O2. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 581-586.	1.3	39
52	Somatostatin Modulates Insulin-Degrading-Enzyme Metabolism: Implications for the Regulation of Microglia Activity in AD. PLoS ONE, 2012, 7, e34376.	2.5	39
53	The double faced role of copper in AÎ² 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
54	Evidence for two oxygen-linked binding sites for polyanions in dromedary hemoglobin. FEBS Journal, 1985, 150, 387-393.	0.2	36

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55	Proteinase inhibitors from the european medicinal leech Hirudo medicinalis: Structural, functional and biomedical aspects. Molecular Aspects of Medicine, 1995, 16, 215-313.	6.4	36
56	Correlation between osteoarthritic cartilage damage and levels of proteinases and proteinase inhibitors in synovial fluid from the knee joint. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2000, 16, 522-526.	2.7	36
57	Effect of bezafibrate and clofibrate on the hemeâ€“iron geometry of ferrous nitrosylated hemeâ€“human serum albumin: an EPR study. Journal of Inorganic Biochemistry, 2001, 84, 293-296.	3.5	36
58	The insulin-degrading enzyme is an allosteric modulator of the 20S proteasome and a potential competitor of the 19S. Cellular and Molecular Life Sciences, 2018, 75, 3441-3456.	5.4	36
59	A correlation between knee cartilage degradation observed by arthroscopy and synovial proteinases activities. Clinical Biochemistry, 2003, 36, 295-304.	1.9	35
60	Kinetic Investigation of Porphyrin Interaction with Chiral Templates Reveals Unexpected Features of the Induction and Self-Propagation Mechanism of Chiral Memory. Journal of the American Chemical Society, 2008, 130, 10476-10477.	13.7	34
61	Modulation of the proteolytic activity of matrix metalloproteinase-2 (gelatinase A) on fibrinogen. Biochemical Journal, 2007, 402, 503-513.	3.7	33
62	Cardiolipin drives cytochrome c proapoptotic and antiapoptotic actions. IUBMB Life, 2011, 63, 160-165.	3.4	33
63	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
64	A polymerising Root-effect fish hemoglobin with high subunit heterogeneity. Correlation with primary structure. FEBS Journal, 1993, 218, 829-835.	0.2	31
65	Anion concentration modulates the conformation and stability of the molten globule of cytochrome c. Journal of Biological Inorganic Chemistry, 2003, 8, 663-670.	2.6	31
66	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
67	Structureâ€“function relationships in human cytochrome c: The role of tyrosine 67. Journal of Inorganic Biochemistry, 2016, 155, 56-66.	3.5	31
68	Kinetic Evidence for the Existence of a Rate-Limiting Step in the Reaction of Ferric Hemoproteins with Anionic Ligands. FEBS Journal, 1996, 235, 49-53.	0.2	30
69	Characterization of a Globin-coupled Oxygen Sensor with a Gene-regulating Function. Journal of Biological Chemistry, 2007, 282, 37325-37340.	3.4	30
70	Cardiolipin modulates allosterically peroxynitrite detoxification by horse heart cytochrome c. Biochemical and Biophysical Research Communications, 2011, 404, 190-194.	2.1	30
71	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
72	A comparative study of the temperature dependence of the oxygen-binding properties of mammalian hemoglobins. FEBS Journal, 1992, 204, 1155-1157.	0.2	28

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73	Catalytic peroxidation of nitrogen monoxide and peroxynitrite by globins. IUBMB Life, 2009, 61, 62-73.	3.4	28
74	Isoniazid and rifampicin inhibit allosterically heme binding to albumin and peroxynitrite isomerization by hemeâ€“albumin. Journal of Biological Inorganic Chemistry, 2011, 16, 97-108.	2.6	28
75	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
76	Non-covalent and covalent modifications modulate the reactivity of monomeric mammalian globins. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 1750-1756.	2.3	27
77	Cationic porphyrins are tunable gatekeepers of the 20S proteasome. Chemical Science, 2016, 7, 1286-1297.	7.4	27
78	Reptile Heme Protein Structure: X-ray Crystallographic Study of the Aquo-met and Cyano-met Derivatives of the Loggerhead Sea Turle (Caretta caretta) Myoglobin at 2.0 Ã... Resolution. Journal of Molecular Biology, 1995, 247, 459-465.	4.2	26
79	H2O2 and NO scavenging by Mycobacterium leprae truncated hemoglobin O. Biochemical and Biophysical Research Communications, 2008, 373, 197-201.	2.1	26
80	Reductive nitrosylation of ferric human serum hemeâ€albumin. FEBS Journal, 2010, 277, 2474-2485.	4.7	26
81	Isoniazid Inhibits the Heme-Based Reactivity of Mycobacterium tuberculosis Truncated Hemoglobin N. PLoS ONE, 2013, 8, e69762.	2.5	26
82	Proteasome Activity Is Affected by Fluctuations in Insulin-Degrading Enzyme Distribution. PLoS ONE, 2015, 10, e0132455.	2.5	25
83	Ferrous Campylobacterâ€ƒjejuni truncated hemoglobinâ€ƒP displays an extremely high reactivity for cyanide â€“ a comparative study. FEBS Journal, 2008, 275, 633-645.	4.7	24
84	Functional characterization of the Mycobacterium tuberculosis zinc metallopeptidase Zmp1 and identification of potential substrates. Biological Chemistry, 2012, 393, 631-640.	2.5	24
85	Reductive nitrosylation of ferric carboxymethylated-cytochromec. Journal of Porphyrins and Phthalocyanines, 2017, 21, 1-9.	0.8	24
86	pH-induced cleavage of the proximal histidine to iron bond in the nitric oxide derivative of ferrous monomeric hemosproteins and of the â€˜chelatedâ€™ protoheme model compound. BBA - Proteins and Proteomics, 1985, 829, 299-302.	2.1	23
87	Cooperative effect of inositol hexakisphosphate, bezafibrate, and clofibric acid on the spectroscopic properties of the nitric oxide derivative of ferrous human hemoglobin. Journal of Inorganic Biochemistry, 1993, 50, 263-272.	3.5	23
88	Resonance Raman Studies of the Heme Active Site of the Homodimeric Myoglobin from Nassa mutabilis: A Peculiar Case. Biochemistry, 1995, 34, 7507-7516.	2.5	23
89	Cleavage of Bovine Collagen I by Neutrophil Collagenase MMP-8. Journal of Biological Chemistry, 2000, 275, 18657-18663.	3.4	23
90	Peroxynitrite detoxification by horse heart carboxymethylated cytochrome c is allosterically modulated by cardiolipin. Biochemical and Biophysical Research Communications, 2011, 415, 463-467.	2.1	23

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91	Carbon monoxide recombination in cytochrome c peroxidase: effect of the local heme environment on carbon monoxide binding explored through site-directed mutagenesis. Biochemistry, 1990, 29, 1777-1791.	2.5	22
92	Membrane Cholesterol Modulates LOX-1 Shedding in Endothelial Cells. PLoS ONE, 2015, 10, e0141270.	2.5	22
93	Thermodynamics of oxygen binding to trout haemoglobin I and its oxidation intermediates. Journal of Molecular Biology, 1982, 160, 531-543.	4.2	21
94	Multiple strategies for O2 transport: from simplicity to complexity. IUBMB Life, 2007, 59, 600-616.	3.4	21
95	Abacavir and warfarin modulate allosterically kinetics of NO dissociation from ferrous nitrosylated human serum heme-albumin. Biochemical and Biophysical Research Communications, 2008, 369, 686-691.	2.1	21
96	Enzymatic processing of Î²â€dystroglycan recombinant ectodomain by MMPâ€9: Identification of the main cleavage site. IUBMB Life, 2009, 61, 1143-1152.	3.4	21
97	The peculiar heme pocket of the 2/2 hemoglobin of cold-adapted Pseudoalteromonas haloplanktis TAC125. Journal of Biological Inorganic Chemistry, 2011, 16, 299-311.	2.6	21
98	Carbon monoxide dissociation in cytochrome c peroxidase: site-directed mutagenesis shows that distal Arg 48 influences carbon monoxide dissociation rates. Biochemistry, 1990, 29, 9978-9988.	2.5	20
99	Kinetic study of the reduction mechanism for Desulfovibrio gigas cytochrome c3. FEBS Journal, 1991, 202, 1107-1113.	0.2	20
100	pH Dependence of Structural and Functional Properties of Oxidized Cytochrome c" from Methylophilus methylotrophus. Journal of Biological Chemistry, 1997, 272, 24800-24804.	3.4	20
101	Coupling of the Oxygen-linked Interaction Energy for Inositol Hexakisphosphate and Bezafibrate Binding to Human HbA0. Journal of Biological Chemistry, 1999, 274, 6865-6874.	3.4	20
102	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
103	Enzymatic processing by MMPâ€2 and MMPâ€9 of wildâ€type and mutated mouse Î²â€dystroglycan. IUBMB Life, 2012, 64, 988-994.	3.4	20
104	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
105	The Hemoglobins of the Antarctic Fishes Artedidraco orianae and Pogonophryne scotti. Journal of Biological Chemistry, 1998, 273, 32452-32459.	3.4	19
106	Cytochromes: Reactivity of the â€œdark sideâ€•of the heme. Biophysical Chemistry, 2010, 152, 21-27.	2.8	19
107	Simulated microgravity induces a cellular regression of the mature phenotype in human primary osteoblasts. Cell Death Discovery, 2018, 4, 59.	4.7	19
108	Structure and Haem-Distal Site Plasticity in Methanosarcina acetivorans Protoglobin. PLoS ONE, 2013, 8, e66144.	2.5	19

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109	Nitrosylation Mechanisms of Mycobacterium tuberculosis and Campylobacter jejuni Truncated Hemoglobins N, O, and P. PLoS ONE, 2014, 9, e102811.	2.5	19
110	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
111	Multiphasic Kinetics of Myoglobin/Sodium Dodecyl Sulfate Complex Formation. Biophysical Journal, 2007, 92, 4078-4087.	0.5	18
112	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
113	The collagenolytic action of MMP-1 is regulated by the interaction between the catalytic domain and the hinge region. Journal of Biological Inorganic Chemistry, 2012, 17, 663-672.	2.6	18
114	Warfarin modulates the nitrite reductase activity of ferrous human serum hemeâ€“albumin. Journal of Biological Inorganic Chemistry, 2013, 18, 939-946.	2.6	18
115	Cardiolipin modulates allosterically the nitrite reductase activity of horse heart cytochrome c. Journal of Biological Inorganic Chemistry, 2014, 19, 1195-1201.	2.6	18
116	Multiple allosteric sites are involved in the modulation of insulinâ€degradingâ€enzyme activity by somatostatin. FEBS Journal, 2016, 283, 3755-3770.	4.7	18
117	Folding mechanisms steer the amyloid fibril formation propensity of highly homologous proteins. Chemical Science, 2018, 9, 3290-3298.	7.4	18
118	Role of hemoglobin structural-functional relationships in oxygen transport. Molecular Aspects of Medicine, 2022, 84, 101022.	6.4	18
119	Proteasome inhibition by bortezomib parallels a reduction in head and neck cancer cells growth, and an increase in tumor-infiltrating immune cells. Scientific Reports, 2021, 11, 19051.	3.3	18
120	Functional and Spectroscopic Evidence for a Conformational Transition in Ferrous Liganded Human Hemoglobin. Journal of Molecular Biology, 1995, 249, 800-803.	4.2	17
121	Redox equilibria of manganese peroxidase from Phanerochaetes chrysosporium: functional role of residues on the proximal side of the haem pocket. Biochemical Journal, 2000, 349, 85-90.	3.7	17
122	Cooperativity and allostery in haemoglobin function. IUBMB Life, 2008, 60, 112-123.	3.4	17
123	Reversible two-step unfolding of hemeâ€“human serum albumin: a 1H-NMR relaxometric and circular dichroism study. Journal of Biological Inorganic Chemistry, 2009, 14, 209-217.	2.6	17
124	Mycobacterial and Human Nitrobindins: Structure and Function. Antioxidants and Redox Signaling, 2020, 33, 229-246.	5.4	17
125	Peroxynitrite detoxification by ferryl Mycobacterium leprae truncated hemoglobin O. Biochemical and Biophysical Research Communications, 2009, 380, 392-396.	2.1	16
126	Reductive nitrosylation of Methanosarcina acetivorans protoglobin: A comparative study. Biochemical and Biophysical Research Communications, 2013, 430, 1301-1305.	2.1	16

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127	The interplay between lipid and Aî² amyloid homeostasis in Alzheimerâ€™s Disease: risk factors and therapeutic opportunities. Chemistry and Physics of Lipids, 2021, 236, 105072.	3.2	16
128	Stabilization of the T-state of ferrous human adult and fetal hemoglobin by Ln(III) complexes: A thermodynamic study. Journal of Inorganic Biochemistry, 1998, 71, 37-43.	3.5	15
129	Heterotropic Effectors Exert More Significant Strain on Monoligated than on Unligated Hemoglobin. Biophysical Journal, 1999, 76, 1532-1536.	0.5	15
130	Proton Linkage for CO Binding and Redox Properties of Bovine Lactoperoxidase. Biophysical Journal, 2004, 86, 448-454.	0.5	15
131	Structural heterogeneity and ligand gating in ferric methanosarcina acetivorans protoglobin mutants. IUBMB Life, 2011, 63, 287-294.	3.4	15
132	Ligandâ€•and protonâ€linked conformational changes of the ferrous 2/2 hemoglobin of Pseudoalteromonas haloplanktis TAC125. IUBMB Life, 2011, 63, 566-573.	3.4	15
133	Reciprocal Allosteric Modulation of Carbon Monoxide and Warfarin Binding to Ferrous Human Serum Heme-Albumin. PLoS ONE, 2013, 8, e58842.	2.5	15
134	Pyrazolones Activate the Proteasome by Gating Mechanisms and Protect Neuronal Cells from Î²â€Amyloid Toxicity. ChemMedChem, 2020, 15, 302-316.	3.2	15
135	Evidence for multiple interacting binding sites in bovine tryptase. FEBS Letters, 1995, 363, 81-84.	2.8	14
136	Research on l-Nucleosides. synthesis and biological evaluation of a series of l- and d-2â€²,3â€²-Dideoxy-3â€²-[tris(methylthio)methyl]-Î²-pentofuranosyl nucleosides. Bioorganic and Medicinal Chemistry, 2003, 11, 357-366.	3.0	14
137	An Efficient and Stereoselective Dearylation of Asarinin and Sesamin Tetrahydrofurofuran Lignans to Acuminatolide by Methyltrioxorhenium/H2O2 and UHP Systems. Journal of Natural Products, 2007, 70, 39-42.	3.0	14
138	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. Molecular and Cellular Biochemistry, 2020, 463, 101-113.	3.1	14
139	Role of Metalloproteinases in Tendon Pathophysiology. Mini-Reviews in Medicinal Chemistry, 2014, 14, 978-987.	2.4	14
140	Nitrosylation of rabbit ferrous heme-hemopexin. Journal of Biological Inorganic Chemistry, 2004, 9, 800-806.	2.6	13
141	Ibuprofen and warfarin modulate allosterically ferrous human serum hemeâ€“albumin nitrosylation. Biochemical and Biophysical Research Communications, 2011, 411, 185-189.	2.1	13
142	Evidence for pH-dependent multiple conformers in iron(II) hemeâ€“human serum albumin: spectroscopic and kinetic investigation of carbon monoxide binding. Journal of Biological Inorganic Chemistry, 2012, 17, 133-147.	2.6	13
143	Functional and Spectroscopic Characterization of Chlamydomonas reinhardtii Truncated Hemoglobins. PLoS ONE, 2015, 10, e0125005.	2.5	13
144	Reductive nitrosylation of ferric human hemoglobin bound to human haptoglobin 1-1 and 2-2. Journal of Biological Inorganic Chemistry, 2018, 23, 437-445.	2.6	13

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145	Structural and functional evidence for citicoline binding and modulation of 20S proteasome activity: Novel insights into its pro-proteostatic effect. Biochemical Pharmacology, 2020, 177, 113977.	4.4	13
146	Citicoline in Ophthalmological Neurodegenerative Disease: A Comprehensive Review. Pharmaceuticals, 2021, 14, 281.	3.8	13
147	Ligation Tunes Protein Reactivity in an Ancient Haemoglobin: Kinetic Evidence for an Allosteric Mechanism in Methanosarcina acetivorans Protoglobin. PLoS ONE, 2012, 7, e33614.	2.5	13
148	Nitrite-Reductase and Peroxynitrite Isomerization Activities of Methanosarcina acetivorans Protoglobin. PLoS ONE, 2014, 9, e95391.	2.5	13
149	Effect of inositol hexakisphosphate on the spectroscopic properties of the nitric oxide derivative of ferrous horse and bovine hemoglobin. Journal of Inorganic Biochemistry, 1990, 40, 157-162.	3.5	12
150	Spectroscopic properties of the nitric oxide derivative of ferrous man, horse, and ruminant hemoglobins: A comparative study. Journal of Inorganic Biochemistry, 1992, 45, 31-37.	3.5	12
151	Thermodynamics of Inositol Hexakisphosphate Interaction with Human Oxyhemoglobin. Journal of Biological Chemistry, 1998, 273, 15329-15334.	3.4	12
152	Aluminum modulation of proteolytic activities. Coordination Chemistry Reviews, 2002, 228, 263-269.	18.8	12
153	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 Eleginops maclovinus. Molecular BioSystems, 2012, 8, 3295.	2.9	12
154	Reductive nitrosylation of the cardiolipin-ferric cytochromeccomplex. IUBMB Life, 2014, 66, 438-447.	3.4	12
155	Î±-dystroglycan is a potential target of matrix metalloproteinase MMP-2. Matrix Biology, 2015, 41, 2-7.	3.6	12
156	Ferric microperoxidase-11 catalyzes peroxynitrite isomerization. Journal of Inorganic Biochemistry, 2015, 144, 56-61.	3.5	12
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