Manon Couture

List of Publications by Year
in descending order

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39	1,928	304743	315739
papers	citations	22 h-index	38 g-index

39	39	39	1281
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of Hexane on Protein Profile, Solubility and Foaming Properties of Defatted Proteins Extracted from Tenebrio molitor Larvae. Molecules, 2021, 26, 351.	3.8	18
2	Structural analyses of the Group A flavin-dependent monooxygenase PieE reveal a sliding FAD cofactor conformation bridging OUT and IN conformations. Journal of Biological Chemistry, 2020, 295, 4709-4722.	3.4	9
3	Resonance Raman studies on the flavohemoglobin of the protist Giardia intestinalis: evidence of a type I/II-peroxidase-like heme environment and roles of the active site distal residues. Journal of Biological Inorganic Chemistry, 2017, 22, 1099-1108.	2.6	4
4	Oxygen activation in <scp>NO</scp> synthases: evidence for a direct role of the substrate. FEBS Open Bio, 2016, 6, 386-397.	2.3	8
5	Flavoenzyme CrmK-mediated substrate recycling in caerulomycin biosynthesis. Chemical Science, 2016, 7, 4867-4874.	7.4	14
6	Reaction Intermediates and Molecular Mechanism of Peroxynitrite Activation by NO Synthases. Biophysical Journal, 2016, 111, 2099-2109.	0.5	5
7	An alternative reaction for heme degradation catalyzed by the Escherichia coli O157:H7 ChuS protein: Release of hematinic acid, tripyrrole and Fe(III). Journal of Inorganic Biochemistry, 2016, 154, 103-113.	3.5	14
8	Peroxidase Activity and Involvement in the Oxidative Stress Response of Roseobacter denitrificans Truncated Hemoglobin. PLoS ONE, 2015, 10, e0117768.	2.5	4
9	Peroxidation and redox reactions catalyzed by truncated hemoglobins. FASEB Journal, 2015, 29, 573.40.	0.5	0
10	Cytochrome b5 from Giardia lamblia. Metallomics, 2012, 4, 1255.	2.4	9
11	The Conserved Trpâ€“Cys Hydrogen Bond Dampens the â€œPush Effectâ€•of the Heme Cysteinate Proximal Ligand during the First Catalytic Cycle of Nitric Oxide Synthase. Biochemistry, 2011, 50, 10069-10081.	2.5	26
12	Structure and heme binding properties of Escherichia coli O157:H7 ChuX. Protein Science, 2009, 18, 825-838.	7.6	18
13	Trp180 of endothelial NOS and Trp56 of bacterial saNOS modulate sigma bonding of the axial cysteine to the heme. Journal of Inorganic Biochemistry, 2009, 103, 1102-1112.	3.5	15
14	Kinetic Studies of HPr, HPr(H15D), HPr(H15E), and HPr(Hisâˆ¼P) Phosphorylation by the Streptococcus salivarius HPr(Ser) Kinase/Phosphorylase. Biochemistry, 2009, 48, 10765-10774.	2.5	3
15	Reaction of Mycobacterium tuberculosis Cytochrome P450 Enzymes with Nitric Oxide. Biochemistry, 2009, 48, 863-872.	2.5	42
16	Substrate-specific Interactions with the Heme-bound Oxygen Molecule of Nitric-oxide Synthase*. Journal of Biological Chemistry, 2007, 282, 20877-20886.	3.4	30
17	Interactions between substrates and the haem-bound nitric oxide of ferric and ferrous bacterial nitric oxide synthases. Biochemical Journal, 2007, 401, 235-245.	3.7	19
18	The Roles of Tyr(CD1) and Trp(G8) in Mycobacterium tuberculosis Truncated Hemoglobin O in Ligand Binding and on the Heme Distal Site Architecture,. Biochemistry, 2007, 46, 11440-11450.	2.5	38

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19	Synthesis of Î²-ketophosphonate analogs of glutamyl and glutaminyl adenylate, and selective inhibition of the corresponding bacterial aminoacyl-tRNA synthetases. Bioorganic and Medicinal Chemistry, 2007, 15, 295-304.	3.0	31
20	Ligand Interactions in the Distal Heme Pocket of Mycobacterium tuberculosis Truncated Hemoglobin N:â€‰ Roles of TyrB10 and GlnE11 Residues. Biochemistry, 2006, 45, 8770-8781.	2.5	45
21	Synthesis of HPr(Ser-P)(Hisâ¼P) by Enzyme I of the Phosphoenolpyruvate:Sugar Phosphotransferase System of Streptococcus salivarius. Biochemistry, 2006, 45, 6692-6702.	2.5	5
22	A Weak Feâ€“O Bond in the Oxygenated Complex of the Nitric-oxide Synthase of Staphylococcus aureus*. Journal of Biological Chemistry, 2006, 281, 9953-9962.	3.4	30
23	Ligand?protein interactions in nitric oxide synthase. Journal of Inorganic Biochemistry, 2005, 99, 306-323.	3.5	98
24	Crystal Structure of the Dioxygen-bound Heme Oxygenase from Corynebacterium diphtheriae. Journal of Biological Chemistry, 2004, 279, 21055-21061.	3.4	88
25	Stability of the Heme Environment of the Nitric Oxide Synthase from Staphylococcus aureus in the Absence of Pterin Cofactor. Biophysical Journal, 2004, 87, 1939-1950.	0.5	39
26	Regulation of the Properties of the Heme-NO Complexes in Nitric-oxide Synthase by Hydrogen Bonding to the Proximal Cysteine. Journal of Biological Chemistry, 2001, 276, 38280-38288.	3.4	49
27	Simultaneous observation of the O--O and Fe--O2 stretching modes in oxyhemoglobins. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 479-484.	7.1	141
28	The Heme Environment of Mouse Neuroglobin. Journal of Biological Chemistry, 2001, 276, 36377-36382.	3.4	117
29	Structural investigations of the hemoglobin of the cyanobacterium Synechocystis PCC6803 reveal a unique distal heme pocket. FEBS Journal, 2000, 267, 4770-4780.	0.2	96
30	A novel two-over-two alpha-helical sandwich fold is characteristic of the truncated hemoglobin family. EMBO Journal, 2000, 19, 2424-2434.	7.8	217
31	The Ferrous Dioxygen Complex of the Oxygenase Domain of Neuronal Nitric-oxide Synthase. Journal of Biological Chemistry, 2000, 275, 3201-3205.	3.4	53
32	A Cooperative Oxygen Binding Hemoglobin from Mycobacterium tuberculosis. Journal of Biological Chemistry, 2000, 275, 1679-1684.	3.4	106
33	Distal Interactions in the Cyanide Complex of FerricChlamydomonasHemoglobinâ€. Journal of Physical Chemistry B, 2000, 104, 10750-10756.	2.6	21
34	Axial Ligation States of Five-Coordinate Heme Oxygenase Proximal Histidine Mutants, as Revealed by EPR and Resonance Raman Spectroscopy. Journal of the American Chemical Society, 2000, 122, 12612-12613.	13.7	12
35	Chlamydomonas Chloroplast Ferrous Hemoglobin. Journal of Biological Chemistry, 1999, 274, 6898-6910.	3.4	106
36	A cooperative oxygen-binding hemoglobin from Mycobacterium tuberculosis. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 11223-11228.	7.1	201

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37	Identification of the Ligands to the Ferric Heme ofChlamydomonasChloroplast Hemoglobin:Â Evidence for Ligation of Tyrosine-63 (B10) to the Hemeâ€. Biochemistry, 1999, 38, 15360-15368.	2.5	77
38	Purification and Spectroscopic Characterization of a Recombinant Chloroplastic Hemoglobin from the Green Unicellular Alga Chlamydomonas eugametos. FEBS Journal, 1996, 242, 779-787.	0.2	40
39	Nuclear genes encoding chloroplast hemoglobins in the unicellular green alga Chlamydomonas eugametos. Molecular Genetics and Genomics, 1994, 243, 185-197.	2.4	80