

Ann Smith

List of Publications by Year in descending order

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65
papers

5,112
citations

109137

35
h-index

110170

64
g-index

67
all docs

67
docs citations

67
times ranked

4285
citing authors

#	ARTICLE	IF	CITATIONS
1	Heme-Induced Oxidation of Cysteine Groups of Myofilament Proteins Leads to Contractile Dysfunction of Permeabilized Human Skeletal Muscle Fibres. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8172.	1.8	5
2	What Is Next in This "Age" of Heme-Driven Pathology and Protection by Hemopexin? An Update and Links with Iron. <i>Pharmaceuticals</i> , 2019, 12, 144.	1.7	17
3	Safe coordinated trafficking of heme and iron with copper maintain cell homeostasis: modules from the hemopexin system. <i>BioMetals</i> , 2019, 32, 355-367.	1.8	9
4	Heme Induces Endoplasmic Reticulum Stress (HIER Stress) in Human Aortic Smooth Muscle Cells. <i>Frontiers in Physiology</i> , 2018, 9, 1595.	1.3	26
5	Mechanisms of haem toxicity in haemolysis and protection by the haem-binding protein, haemopexin. <i>ISBT Science Series</i> , 2017, 12, 119-133.	1.1	5
6	Identification of oxidative modifications of hemopexin and their predicted physiological relevance. <i>Journal of Biological Chemistry</i> , 2017, 292, 13658-13671.	1.6	11
7	Purified and Recombinant Hemopexin: Protease Activity and Effect on Neutrophil Chemotaxis. <i>Molecular Medicine</i> , 2016, 22, 22-31.	1.9	7
8	Hepatic Overexpression of Hemopexin Inhibits Inflammation and Vascular Stasis in Murine Models of Sickle Cell Disease. <i>Molecular Medicine</i> , 2016, 22, 437-451.	1.9	45
9	A role for amyloid precursor protein translation to restore iron homeostasis and ameliorate lead (Pb) neurotoxicity. <i>Journal of Neurochemistry</i> , 2016, 138, 479-494.	2.1	33
10	Hemopexin and haptoglobin: allies against heme toxicity from hemoglobin not contenders. <i>Frontiers in Physiology</i> , 2015, 6, 187.	1.3	193
11	Heme triggers TLR4 signaling leading to endothelial cell activation and vaso-occlusion in murine sickle cell disease. <i>Blood</i> , 2014, 123, 377-390.	0.6	555
12	Mechanisms of neuroprotection by hemopexin: modeling the control of heme and iron homeostasis in brain neurons in inflammatory states. <i>Journal of Neurochemistry</i> , 2013, 125, 89-101.	2.1	57
13	Protection against Heme Toxicity: Hemopexin Rules, OK?. <i>Handbook of Porphyrin Science</i> , 2013, , 311-338.	0.3	3
14	An alternative view of the proposed alternative activities of hemopexin. <i>Protein Science</i> , 2011, 20, 791-805.	3.1	31
15	Red Cells, Hemoglobin, Heme, Iron, and Atherogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 1347-1353.	1.1	200
16	Kinetics and Specificity of Feline Leukemia Virus Subgroup C Receptor (FLVCR) Export Function and Its Dependence on Hemopexin. <i>Journal of Biological Chemistry</i> , 2010, 285, 28874-28882.	1.6	74
17	A Central Role for Free Heme in the Pathogenesis of Severe Sepsis. <i>Science Translational Medicine</i> , 2010, 2, 51ra71.	5.8	412
18	Role for copper in the cellular and regulatory effects of heme-hemopexin. <i>BioMetals</i> , 2009, 22, 421-437.	1.8	13

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19	Heme- α -Hemopexin Complex Attenuates Neuronal Cell Death and Stroke Damage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 953-964.	2.4	81
20	An investigation of hemopexin redox properties by spectroelectrochemistry: biological relevance for heme uptake. <i>BioMetals</i> , 2008, 21, 239-248.	1.8	14
21	Heme Oxygenase-1 Protein Localizes to the Nucleus and Activates Transcription Factors Important in Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2007, 282, 20621-20633.	1.6	344
22	Interaction of heme and heme- α -hemopexin with an extracellular oxidant system used to measure cell growth-associated plasma membrane electron transport. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 1107-1117.	0.5	11
23	Membrane Phospholipid Reorganization Differentially Regulates Metallothionein and Heme Oxygenase by Heme- α -Hemopexin. <i>DNA and Cell Biology</i> , 2002, 21, 355-364.	0.9	19
24	Effects of reduction and ligation of heme iron on the thermal stability of heme-hemopexin complexes. <i>The Protein Journal</i> , 2001, 20, 145-154.	1.1	14
25	Growth inhibition of <i>Bacteroides fragilis</i> by hemopexin: proteolytic degradation of hemopexin to overcome heme limitation. <i>FEMS Microbiology Letters</i> , 2001, 199, 73-78.	0.7	13
26	Heme binding by hemopexin: evidence for multiple modes of binding and functional implications. <i>The Protein Journal</i> , 2000, 19, 239-248.	1.1	30
27	Role for Copper in Transient Oxidation and Nuclear Translocation of MTF-1, but Not of NF- κ B, by the Heme- α -Hemopexin Transport System. <i>Antioxidants and Redox Signaling</i> , 2000, 2, 739-752.	2.5	33
28	Cell-Surface Events for Metallothionein-1 and Heme Oxygenase-1 Regulation by the Hemopexin- α -Heme Transport System. <i>Antioxidants and Redox Signaling</i> , 2000, 2, 753-765.	2.5	19
29	Links Between Cell-Surface Events Involving Redox-Active Copper and Gene Regulation in the Hemopexin Heme Transport System. <i>Antioxidants and Redox Signaling</i> , 2000, 2, 157-175.	2.5	24
30	Cellular Protection Mechanisms against Extracellular Heme. <i>Journal of Biological Chemistry</i> , 1999, 274, 638-648.	1.6	91
31	Crystal structure of hemopexin reveals a novel high-affinity heme site formed between two beta-propeller domains. <i>Nature Structural Biology</i> , 1999, 6, 926-931.	9.7	219
32	Coordination of nitric oxide by heme-hemopexin. <i>The Protein Journal</i> , 1998, 17, 255-260.	1.1	24
33	Expression of the Protective Proteins Hemopexin and Haptoglobin by Cells of the Neural Retina. <i>Experimental Eye Research</i> , 1998, 67, 83-93.	1.2	46
34	Role of Heme- α -Hemopexin in Human T-Lymphocyte Proliferation. <i>Experimental Cell Research</i> , 1997, 232, 246-254.	1.2	28
35	Role of Hemopexin in Protection of Low-Density Lipoprotein against Hemoglobin-Induced Oxidation. <i>Biochemistry</i> , 1996, 35, 13112-13117.	1.2	94
36	Heme binding by a bacterial repressor protein, the gene product of the ferric uptake regulation (fur) gene of <i>Escherichia coli</i> . <i>The Protein Journal</i> , 1996, 15, 575-583.	1.1	26

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37	Hemopexin in the human retina: Protection of the retina against heme-mediated toxicity. , 1996, 168, 71-80.		64
38	Heme-mediated reactive oxygen species toxicity to retinal pigment epithelial cells is reduced by hemopexin. , 1996, 168, 81-86.		40
39	Mechanism of Metallothionein Gene Regulation by Heme-Hemopexin. Journal of Biological Chemistry, 1995, 270, 23988-23995.	1.6	59
40	Evidence for the localization of haemopexin immunoreactivity in neurones in the human brain. Neuroscience Letters, 1993, 149, 141-144.	1.0	49
41	Regulation of heme oxygenase and metallothionein gene expression by the heme analogs, cobalt-, and tin-protoporphyrin.. Journal of Biological Chemistry, 1993, 268, 7365-7371.	1.6	78
42	Identification of the histidine residues of hemopexin that coordinate with heme-iron and of a receptor-binding region.. Journal of Biological Chemistry, 1993, 268, 6256-6262.	1.6	67
43	Identification of the histidine residues of hemopexin that coordinate with heme-iron and of a receptor-binding region. Journal of Biological Chemistry, 1993, 268, 6256-62.	1.6	64
44	Regulation of heme oxygenase and metallothionein gene expression by the heme analogs, cobalt-, and tin-protoporphyrin. Journal of Biological Chemistry, 1993, 268, 7365-71.	1.6	70
45	Heme-hemopexin-mediated induction of metallothionein gene expression.. Journal of Biological Chemistry, 1992, 267, 16379-16384.	1.6	78
46	Heme-hemopexin-mediated induction of metallothionein gene expression. Journal of Biological Chemistry, 1992, 267, 16379-84.	1.6	63
47	The murine haemopexin receptor. Evidence that the haemopexin-binding site resides on a 20 kDa subunit and that receptor recycling is regulated by protein kinase C. Biochemical Journal, 1991, 276, 417-425.	1.7	27
48	Hemopexin joins transferrin as representative members of a distinct class of receptor-mediated endocytic transport systems. European Journal of Cell Biology, 1990, 53, 234-45.	1.6	79
49	Transcriptional Activation of the Heme Oxygenase Gene by Heme and Cadmium in Mouse Hepatoma Cells. Journal of Biological Chemistry, 1989, 264, 6371-6375.	1.6	210
50	Receptor-mediated transport of heme by hemopexin regulates gene expression in mammalian cells. Journal of Biological Chemistry, 1989, 264, 17637-17640.	1.6	76
51	Receptor-mediated transport of heme by hemopexin regulates gene expression in mammalian cells. Journal of Biological Chemistry, 1989, 264, 17637-40.	1.6	64
52	Transcriptional activation of the heme oxygenase gene by heme and cadmium in mouse hepatoma cells. Journal of Biological Chemistry, 1989, 264, 6371-5.	1.6	169
53	Antioxidant protection by haemopexin of haem-stimulated lipid peroxidation. Biochemical Journal, 1988, 256, 861-865.	1.7	274
54	Expression of the haemopexin-transport system in cultured mouse hepatoma cells. Links between haemopexin and iron metabolism. Biochemical Journal, 1988, 256, 941-950.	1.7	55

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55	Use of hemopexin domains and monoclonal antibodies to hemopexin to probe the molecular determinants of hemopexin-mediated heme transport.. Journal of Biological Chemistry, 1988, 263, 8220-8225.	1.6	28
56	Use of hemopexin domains and monoclonal antibodies to hemopexin to probe the molecular determinants of hemopexin-mediated heme transport. Journal of Biological Chemistry, 1988, 263, 8220-5.	1.6	23
57	Cleavage of Rabbit Hemopexin by Plasmin and Isolation of Two Glycopeptides. Protides of the Biological Fluids; Proceedings of the Colloquium, 1984, 31, 219-224.	0.1	6
58	Domain structure of rabbit hemopexin. Isolation and characterization of a heme-binding glycopeptide.. Journal of Biological Chemistry, 1984, 259, 12001-12006.	1.6	55
59	Domain structure of rabbit hemopexin. Isolation and characterization of a heme-binding glycopeptide. Journal of Biological Chemistry, 1984, 259, 12001-6.	1.6	40
60	Hemopexin-mediated transport of heme into isolated rat hepatocytes.. Journal of Biological Chemistry, 1981, 256, 10902-10909.	1.6	117
61	Hemopexin-mediated transport of heme into isolated rat hepatocytes. Journal of Biological Chemistry, 1981, 256, 10902-9.	1.6	100
62	Hepatic subcellular metabolism of heme from heme-hemopexin: Incorporation of iron into ferritin. Biochemical and Biophysical Research Communications, 1979, 91, 1504-1511.	1.0	73
63	Haem transport to the liver by haemopexin. Receptor-mediated uptake with recycling of the protein. Biochemical Journal, 1979, 182, 47-54.	1.7	168
64	Transport of heme by hemopexin to the liver: Evidence for receptor-mediated uptake. Biochemical and Biophysical Research Communications, 1978, 84, 151-157.	1.0	69
65	Biliary excretion of exogenous hematin in rats. Life Sciences, 1977, 21, 1015-1020.	2.0	11