

Prem Ponka

List of Publications by Year in descending order

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52
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citations

279701

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times ranked

3182
citing authors

#	ARTICLE	IF	CITATIONS
1	Nrf2 controls iron homeostasis in haemochromatosis and thalassaemia via Bmp6 and hepcidin. <i>Nature Metabolism</i> , 2019, 1, 519-531.	5.1	88
2	Transferrin receptor 1 controls systemic iron homeostasis by fine-tuning hepcidin expression to hepatocellular iron load. <i>Blood</i> , 2019, 133, 344-355.	0.6	71
3	Inhibition of heme oxygenase ameliorates anemia and reduces iron overload in a β^2 -thalassemia mouse model. <i>Blood</i> , 2018, 131, 236-246.	0.6	30
4	Do Mammalian Cells Really Need to Export and Import Heme?. <i>Trends in Biochemical Sciences</i> , 2017, 42, 395-406.	3.7	57
5	Decreasing TfR1 expression reverses anemia and hepcidin suppression in β^2 -thalassemic mice. <i>Blood</i> , 2017, 129, 1514-1526.	0.6	52
6	The mouse Char10 locus regulates severity of pyruvate kinase deficiency and susceptibility to malaria. <i>PLoS ONE</i> , 2017, 12, e0177818.	1.1	7
7	Extracellular glycine is necessary for optimal hemoglobinization of erythroid cells. <i>Haematologica</i> , 2017, 102, 1314-1323.	1.7	19
8	Response to: Dietary and pharmacological factors affecting iron absorption in mice and man. <i>Haematologica</i> , 2016, 101, e122-e122.	1.7	0
9	Erythroid cell mitochondria receive endosomal iron by a kiss-and-run mechanism. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 2859-2867.	1.9	89
10	Heme Oxygenase 1 Inhibition Reverses Anemia in β^2 -Thalassemia Mice. <i>Blood</i> , 2016, 128, 2462-2462.	0.6	2
11	Endosome-Mitochondria Interface Controls Intracellular Iron Trafficking in Erythroid Cells. <i>Blood</i> , 2016, 128, 75-75.	0.6	0
12	Mice are poor heme absorbers and do not require intestinal Hmox1 for dietary heme iron assimilation. <i>Haematologica</i> , 2015, 100, e334-e337.	1.7	38
13	Thioredoxin-interacting protein regulates the differentiation of murine erythroid precursors. <i>Experimental Hematology</i> , 2015, 43, 393-403.e2.	0.2	6
14	Transcriptional Induction of Transferrin Receptors By Heme in Erythroid Cells. <i>Blood</i> , 2015, 126, 3352-3352.	0.6	0
15	Pathophysiology and Treatment of Beta-Thalassemia: Investigations of Heme Oxygenase 1 and Its Inhibitors. <i>Blood</i> , 2015, 126, 3373-3373.	0.6	1
16	Heme oxygenase 1 is expressed in murine erythroid cells where it controls the level of regulatory heme. <i>Blood</i> , 2014, 123, 2269-2277.	0.6	31
17	Uncovering the Role of Heme Oxygenase 1 in the Pathophysiology of β^2 -Thalassemia. <i>Blood</i> , 2014, 124, 1364-1364.	0.6	1
18	Exogenous Apo-Transferrin Increases Monoferric Transferrin, Decreasing Cytosolic Iron Uptake and Heme and Globin Synthesis in β^2 -Thalassemic Mice. <i>Blood</i> , 2014, 124, 4037-4037.	0.6	0

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19	Erythropoiesis, Hemoglobin Synthesis, and Erythroid Mitochondrial Iron Homeostasis. Handbook of Porphyrin Science, 2013, , 41-84.	0.3	4
20	The long history of iron in the Universe and in health and disease. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 161-187.	1.1	166
21	Nramp1 promotes efficient macrophage recycling of iron following erythrophagocytosis in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5960-5965.	3.3	136
22	Deciphering Mitochondrial Iron Metabolism Using a Knockout Mouse.. Blood, 2009, 114, 1995-1995.	0.6	0
23	The Role of Heme Oxygenase 1 in Erythroid Differentiation.. Blood, 2008, 112, 3847-3847.	0.6	11
24	Direct interorganellar transfer of iron from endosome to mitochondrion. Blood, 2007, 110, 125-132.	0.6	231
25	Low Cytosolic Non-Heme Iron Levels in Erythroid Cells Prevent IRP2-Mediated Ferritin Upregulation during Differentiation.. Blood, 2007, 110, 705-705.	0.6	1
26	Interorganellar association mediates the efficient transfer of iron from endosome to mitochondria. FASEB Journal, 2007, 21, A1348.	0.2	0
27	The Role of Nramp1 in Erythrophagocytosis.. Blood, 2007, 110, 3851-3851.	0.6	0
28	Modulation of IRP Binding Activity by Oxygen in Primary Erythroid Cells.. Blood, 2007, 110, 2662-2662.	0.6	0
29	Calcein and the Labile Iron Pool.. Blood, 2006, 108, 1546-1546.	0.6	2
30	Direct Interorganellar Transfer of Iron from Endosome to Mitochondrion.. Blood, 2006, 108, 268-268.	0.6	0
31	Intracellular kinetics of iron in reticulocytes: evidence for endosome involvement in iron targeting to mitochondria. Blood, 2005, 105, 368-375.	0.6	113
32	DMT1 Mutation in a Patient with Hypochromic Microcytic Anemia: Functional Consequences and Response to Erythropoietin.. Blood, 2005, 106, 3587-3587.	0.6	0
33	Nitric Oxide Upregulates Ferritin Synthesis Independently of Iron Regulatory Protein-Iron Responsive Element Binding Activity.. Blood, 2005, 106, 3594-3594.	0.6	8
34	Hereditary Causes of Disturbed Iron Homeostasis in the Central Nervous System. Annals of the New York Academy of Sciences, 2004, 1012, 267-281.	1.8	85
35	Consequences of DMT1 Mutation on Proliferation and Hemoglobinization of Erythroid Progenitors In Vitro.. Blood, 2004, 104, 3190-3190.	0.6	20
36	Novel Iron Chelators Alleviate Symptoms of Thalassemia.. Blood, 2004, 104, 3203-3203.	0.6	0

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37	Stimulation of Transferrin Receptor Expression by Enhanced Heme Biosynthesis in Murine Erythroleukemia Cells.. Blood, 2004, 104, 3200-3200.	0.6	0
38	Overexpression of Mitochondrial Ferritin Causes Cytosolic Iron Starvation and Changes Cellular Iron Homeostatis.. Blood, 2004, 104, 3195-3195.	0.6	0
39	Recent advances in cellular iron metabolism. Journal of Trace Elements in Experimental Medicine, 2003, 16, 201-217.	0.8	14
40	S-Nitrosothiols control breathing and oxygen homeostasis. Redox Report, 2002, 7, 5-7.	1.4	0
41	Rare causes of hereditary iron overload. Seminars in Hematology, 2002, 39, 249-262.	1.8	47
42	Characterization of the iron transporter DMT1 (NRAMP2/DCT1) in red blood cells of normal and anemic mk/mk mice. Blood, 2001, 98, 3823-3830.	0.6	136
43	Iron metabolism: Physiology and pathophysiology. Journal of Trace Elements in Experimental Medicine, 2000, 13, 73-83.	0.8	22
44	Identification of an Erythroid Active Element in the Transferrin Receptor Gene. Journal of Biological Chemistry, 2000, 275, 24185-24190.	1.6	54
45	Tissue-Specific Regulation of Iron Metabolism and Heme Synthesis: Distinct Control Mechanisms in Erythroid Cells. Blood, 1997, 89, 1-25.	0.6	491
46	Can Ferritin Provide Iron for Hemoglobin Synthesis?. Blood, 1997, 89, 2611-2612.	0.6	24
47	The molecular mechanisms of the metabolism and transport of iron in normal and neoplastic cells. BBA - Biomembranes, 1997, 1331, 1-40.	7.9	609
48	Regulation of transferrin receptor mRNA expression. Distinct regulatory features in erythroid cells. FEBS Journal, 1994, 220, 683-692.	0.2	74
49	Regulation of heme biosynthesis: Distinct regulatory features in erythroid cells. Stem Cells, 1993, 11, 24-35.	1.4	27
50	Evaluation of the iron chelation potential of hydrazones of pyridoxal, salicylaldehyde and 2-hydroxy-1-naphthylaldehyde using the hepatocyte in culture. Hepatology, 1992, 15, 492-501.	3.6	122
51	Ferric-salicylaldehyde isonicotinoyl hydrazone, a synthetic iron chelate, alleviates defective iron utilization by reticulocytes of the belgrade rat. Journal of Cellular Physiology, 1991, 146, 460-465.	2.0	46
52	Control of heme synthesis during Friend cell differentiation: Role of iron and transferrin. Journal of Cellular Physiology, 1986, 129, 185-192.	2.0	48