

François Canonne-Hergaux

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,539
citations

147801

31
h-index

206112

48
g-index

52
all docs

52
docs citations

52
times ranked

3682
citing authors

#	ARTICLE	IF	CITATIONS
1	Lack of the bone morphogenetic protein BMP6 induces massive iron overload. <i>Nature Genetics</i> , 2009, 41, 478-481.	21.4	529
2	The Iron Transport Protein NRAMP2 Is an Integral Membrane Glycoprotein That Colocalizes with Transferrin in Recycling Endosomes. <i>Journal of Experimental Medicine</i> , 1999, 189, 831-841.	8.5	284
3	Presence of the iron exporter ferroportin at the plasma membrane of macrophages is enhanced by iron loading and down-regulated by hepcidin. <i>Blood</i> , 2005, 106, 3979-3984.	1.4	246
4	Hepcidin targets ferroportin for degradation in hepatocytes. <i>Haematologica</i> , 2010, 95, 501-504.	3.5	146
5	Characterization of the iron transporter DMT1 (NRAMP2/DCT1) in red blood cells of normal and anemic mk/mk mice. <i>Blood</i> , 2001, 98, 3823-3830.	1.4	136
6	The Nramp1 Protein and Its Role in Resistance to Infection and Macrophage Function. <i>Proceedings of the Association of American Physicians</i> , 1999, 111, 283-289.	2.0	133
7	Sequential regulation of ferroportin expression after erythrophagocytosis in murine macrophages: early mRNA induction by haem, followed by iron-dependent protein expression. <i>Biochemical Journal</i> , 2008, 411, 123-131.	3.7	120
8	Deregulation of proteins involved in iron metabolism in hepcidin-deficient mice. <i>Blood</i> , 2005, 105, 4861-4864.	1.4	105
9	Functional Expression of Nramp1 In Vitro in the Murine Macrophage Line RAW264.7. <i>Infection and Immunity</i> , 1999, 67, 2225-2232.	2.2	103
10	Comparative studies of duodenal and macrophage ferroportin proteins. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, G156-G163.	3.4	100
11	Testosterone perturbs systemic iron balance through activation of epidermal growth factor receptor signaling in the liver and repression of hepcidin. <i>Hepatology</i> , 2014, 59, 683-694.	7.3	99
12	The microbiota shifts the iron sensing of intestinal cells. <i>FASEB Journal</i> , 2016, 30, 252-261.	0.5	91
13	Expression of the DMT1 (NRAMP2/DCT1) iron transporter in mice with genetic iron overload disorders. <i>Blood</i> , 2001, 97, 1138-1140.	1.4	90
14	Expression and subcellular localization of NRAMP1 in human neutrophil granules. <i>Blood</i> , 2002, 100, 268-275.	1.4	90
15	Expression of the iron transporter DMT1 in kidney from normal and anemic mk mice. <i>Kidney International</i> , 2002, 62, 147-156.	5.2	90
16	A physiological model to study iron recycling in macrophages. <i>Experimental Cell Research</i> , 2005, 310, 43-53.	2.6	90
17	Chronic hepcidin induction causes hyposideremia and alters the pattern of cellular iron accumulation in hemochromatotic mice. <i>Blood</i> , 2006, 107, 2952-2958.	1.4	75
18	Benefits and Risks of Iron Supplementation in Anemic Neonatal Pigs. <i>American Journal of Pathology</i> , 2010, 177, 1233-1243.	3.8	74

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19	The histone demethylase Phf2 acts as a molecular checkpoint to prevent NAFLD progression during obesity. <i>Nature Communications</i> , 2018, 9, 2092.	12.8	63
20	Iron transporter Nramp2/DMT-1 is associated with the membrane of phagosomes in macrophages and Sertoli cells. <i>Blood</i> , 2002, 100, 2617-2622.	1.4	61
21	Immune cells and hepatocytes express glycosylphosphatidylinositol-anchored ceruloplasmin at their cell surface. <i>Blood Cells, Molecules, and Diseases</i> , 2012, 48, 110-120.	1.4	57
22	Subcellular Localization of Iron and Heme Metabolism Related Proteins at Early Stages of Erythrophagocytosis. <i>PLoS ONE</i> , 2012, 7, e42199.	2.5	56
23	Effect of Nramp1 on bacterial replication and on maturation of <i>Mycobacterium avium</i> -containing phagosomes in bone marrow-derived mouse macrophages. <i>Cellular Microbiology</i> , 2002, 4, 541-556.	2.1	48
24	Copper Deficiency Leads to Anemia, Duodenal Hypoxia, Upregulation of HIF-2 α and Altered Expression of Iron Absorption Genes in Mice. <i>PLoS ONE</i> , 2013, 8, e59538.	2.5	48
25	Identification of a New Chemically Induced Allele (<i>Lpm1Jus</i>) at the Loop-Tail Locus: Morphology, Histology, and Genetic Mapping. <i>Genomics</i> , 2001, 72, 331-337.	2.9	44
26	Comparative capacities of the pig colon and duodenum for luminal iron absorption. <i>Canadian Journal of Physiology and Pharmacology</i> , 2007, 85, 185-192.	1.4	43
27	Wild-type and mutant ferroportins do not form oligomers in transfected cells. <i>Biochemical Journal</i> , 2006, 396, 265-275.	3.7	42
28	Pro-hepcidin is unable to degrade the iron exporter ferroportin unless matured by a furin-dependent process. <i>Journal of Hepatology</i> , 2009, 50, 394-401.	3.7	38
29	Iron gene expression profile in atherogenic <i>Mox</i> macrophages. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 1137-1146.	3.8	38
30	Lipid raft-dependent endocytosis: a new route for hepcidin-mediated regulation of ferroportin in macrophages. <i>Haematologica</i> , 2010, 95, 1269-1277.	3.5	34
31	Ferroportin expression in haem oxygenase 1-deficient mice. <i>Biochemical Journal</i> , 2013, 449, 69-78.	3.7	34
32	Iron- and Heparin-Independent Downregulation of the Iron Exporter Ferroportin in Macrophages during <i>Salmonella</i> Infection. <i>Frontiers in Immunology</i> , 2017, 8, 498.	4.8	32
33	Pyruvate kinase deficiency confers susceptibility to <i>Salmonella typhimurium</i> infection in mice. <i>Journal of Experimental Medicine</i> , 2007, 204, 2949-2961.	8.5	31
34	Production of biologically active forms of recombinant hepcidin, the iron-regulatory hormone. <i>FEBS Journal</i> , 2008, 275, 3793-3803.	4.7	30
35	Haemolytic anaemia and alterations in hepatic iron metabolism in aged mice lacking Cu,Zn-superoxide dismutase. <i>Biochemical Journal</i> , 2009, 420, 383-390.	3.7	26
36	Erythrocytes: Central Actors in Multiple Scenes of Atherosclerosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5843.	4.1	24

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37	Transplantation of allogeneic T cells alters iron homeostasis in NOD/SCID mice. <i>Blood</i> , 2009, 113, 1841-1844.	1.4	21
38	Use of Nramp2-transfected Chinese hamster ovary cells and reticulocytes from mk/mk mice to study iron transport mechanisms. <i>Experimental Hematology</i> , 2008, 36, 1227-1235.	0.4	19
39	Novel Grb14-Mediated Cross Talk between Insulin and p62/Nrf2 Pathways Regulates Liver Lipogenesis and Selective Insulin Resistance. <i>Molecular and Cellular Biology</i> , 2016, 36, 2168-2181.	2.3	18
40	ALK3 undergoes ligand-independent homodimerization and BMP-induced heterodimerization with ALK2. <i>Free Radical Biology and Medicine</i> , 2018, 129, 127-137.	2.9	17
41	Suppression of Hepcidin Expression and Iron Overload Mediate Salmonella Susceptibility in Ankyrin 1 ENU-Induced Mutant. <i>PLoS ONE</i> , 2013, 8, e55331.	2.5	16
42	Characterization of nuclear proteins that bind to the regulatory TGATTGGC motif in the human immunodeficiency virus type 1 long terminal repeat. <i>Nucleic Acids Research</i> , 1997, 25, 1177-1184.	14.5	13
43	Mapping of Char10, a novel malaria susceptibility locus on mouse chromosome 9. <i>Genes and Immunity</i> , 2010, 11, 113-123.	4.1	12
44	cAMP and bFGF negatively regulate tropomyosin expression in rat cultured astroblasts. <i>Neurochemistry International</i> , 1994, 25, 545-553.	3.8	7
45	Hepcidin induction limits mobilisation of splenic iron in a mouse model of secondary iron overload. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 339-346.	3.8	7
46	Acute loss of the hepatic endo-lysosomal system in vivo causes compensatory changes in iron homeostasis. <i>Scientific Reports</i> , 2017, 7, 4023.	3.3	4
47	Suppression of hepcidin expression and iron overload mediate Salmonella susceptibility in ankyrin 1 ENU-induced mutant. <i>International Journal of Infectious Diseases</i> , 2012, 16, e331.	3.3	0
48	Ferroportin is transcriptionally upregulated by oxldl through nrf2 and is counteracted by lps/ifng in murine macrophages. <i>Atherosclerosis</i> , 2014, 235, e126.	0.8	0
49	Macrophage iron overload in hemolytic anemia likely contributes to Salmonella Typhimurium susceptibility. <i>FASEB Journal</i> , 2008, 22, 506-506.	0.5	0
50	Study of ceruloplasmin (CP) and the iron exporter ferroportin (FPN) in human lymphocytes and monocytes. <i>FASEB Journal</i> , 2008, 22, 240-240.	0.5	0