FranÃ§ois Canonne-Hergaux

List of Publications by Year
in descending order

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	Erythrocytes: Central Actors in Multiple Scenes of Atherosclerosis. International Journal of Molecular Sciences, 2021, 22, 5843.	4.1	24
2	ALK3 undergoes ligand-independent homodimerization and BMP-induced heterodimerization with ALK2. Free Radical Biology and Medicine, 2018, 129, 127-137.	2.9	17
3	The histone demethylase Phf2 acts as a molecular checkpoint to prevent NAFLD progression during obesity. Nature Communications, 2018, 9, 2092.	12.8	63
4	Acute loss of the hepatic endo-lysosomal system in vivo causes compensatory changes in iron homeostasis. Scientific Reports, 2017, 7, 4023.	3.3	4
5	Iron- and Hepcidin-Independent Downregulation of the Iron Exporter Ferroportin in Macrophages during Salmonella Infection. Frontiers in Immunology, 2017, 8, 498.	4.8	32
6	Novel Grb14-Mediated Cross Talk between Insulin and p62/Nrf2 Pathways Regulates Liver Lipogenesis and Selective Insulin Resistance. Molecular and Cellular Biology, 2016, 36, 2168-2181.	2.3	18
7	Iron gene expression profile in atherogenic Mox macrophages. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 1137-1146.	3.8	38
8	The microbiota shifts the iron sensing of intestinal cells. FASEB Journal, 2016, 30, 252-261.	0.5	91
9	Ferroportin is transcriptionally upregulated by oxldl through nrf2 and is counteracted by lps/ifng in murine macrophages. Atherosclerosis, 2014, 235, e126.	0.8	0
10	Testosterone perturbs systemic iron balance through activation of epidermal growth factor receptor signaling in the liver and repression of hepcidin. Hepatology, 2014, 59, 683-694.	7.3	99
11	Ferroportin expression in haem oxygenase 1-deficient mice. Biochemical Journal, 2013, 449, 69-78.	3.7	34
12	Suppression of Hepcidin Expression and Iron Overload Mediate Salmonella Susceptibility in Ankyrin 1 ENU-Induced Mutant. PLoS ONE, 2013, 8, e55331.	2.5	16
13	Copper Deficiency Leads to Anemia, Duodenal Hypoxia, Upregulation of HIF-2Î± and Altered Expression of Iron Absorption Genes in Mice. PLoS ONE, 2013, 8, e59538.	2.5	48
14	Suppression of hepcidin expression and iron overload mediate Salmonella susceptibility in ankyrin 1 ENU-induced mutant. International Journal of Infectious Diseases, 2012, 16, e331.	3.3	0
15	Immune cells and hepatocytes express glycosylphosphatidylinositol-anchored ceruloplasmin at their cell surface. Blood Cells, Molecules, and Diseases, 2012, 48, 110-120.	1.4	57
16	Subcellular Localization of Iron and Heme Metabolism Related Proteins at Early Stages of Erythrophagocytosis. PLoS ONE, 2012, 7, e42199.	2.5	56
17	Hepcidin targets ferroportin for degradation in hepatocytes. Haematologica, 2010, 95, 501-504.	3.5	146
18	Lipid raft-dependent endocytosis: a new route for hepcidin-mediated regulation of ferroportin in macrophages. Haematologica, 2010, 95, 1269-1277.	3.5	34

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19	Mapping of Char10, a novel malaria susceptibility locus on mouse chromosome 9. Genes and Immunity, 2010, 11, 113-123.	4.1	12
20	Hepcidin induction limits mobilisation of splenic iron in a mouse model of secondary iron overload. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 339-346.	3.8	7
21	Benefits and Risks of Iron Supplementation in Anemic Neonatal Pigs. American Journal of Pathology, 2010, 177, 1233-1243.	3.8	74
22	Lack of the bone morphogenetic protein BMP6 induces massive iron overload. Nature Genetics, 2009, 41, 478-481.	21.4	529
23	Pro-hepcidin is unable to degrade the iron exporter ferroportin unless maturated by a furin-dependent process. Journal of Hepatology, 2009, 50, 394-401.	3.7	38
24	Haemolytic anaemia and alterations in hepatic iron metabolism in aged mice lacking Cu,Zn-superoxide dismutase. Biochemical Journal, 2009, 420, 383-390.	3.7	26
25	Transplantation of allogeneic T cells alters iron homeostasis in NOD/SCID mice. Blood, 2009, 113, 1841-1844.	1.4	21
26	Production of biologically active forms of recombinant hepcidin, the ironâ€regulatory hormone. FEBS Journal, 2008, 275, 3793-3803.	4.7	30
27	Use of Nramp2-transfected Chinese hamster ovary cells and reticulocytes from mk/mk mice to study iron transport mechanisms. Experimental Hematology, 2008, 36, 1227-1235.	0.4	19
28	Sequential regulation of ferroportin expression after erythrophagocytosis in murine macrophages: early mRNA induction by haem, followed by iron-dependent protein expression. Biochemical Journal, 2008, 411, 123-131.	3.7	120
29	Macrophage iron overload in hemolytic anemia likely contributes to Salmonella Typhimurium susceptibility. FASEB Journal, 2008, 22, 506-506.	0.5	0
30	Study of ceruloplasmin (CP) and the iron exporter ferroportin (FPN) in human lymphocytes and monocytes. FASEB Journal, 2008, 22, 240-240.	0.5	0
31	Pyruvate kinase deficiency confers susceptibility to Salmonella typhimurium infection in mice. Journal of Experimental Medicine, 2007, 204, 2949-2961.	8.5	31
32	Comparative capacities of the pig colon and duodenum for luminal iron absorption. Canadian Journal of Physiology and Pharmacology, 2007, 85, 185-192.	1.4	43
33	Chronic hepcidin induction causes hyposideremia and alters the pattern of cellular iron accumulation in hemochromatotic mice. Blood, 2006, 107, 2952-2958.	1.4	75
34	Wild-type and mutant ferroportins do not form oligomers in transfected cells. Biochemical Journal, 2006, 396, 265-275.	3.7	42
35	Comparative studies of duodenal and macrophage ferroportin proteins. American Journal of Physiology - Renal Physiology, 2006, 290, G156-G163.	3.4	100
36	Deregulation of proteins involved in iron metabolism in hepcidin-deficient mice. Blood, 2005, 105, 4861-4864.	1.4	105

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37	Presence of the iron exporter ferroportin at the plasma membrane of macrophages is enhanced by iron loading and down-regulated by hepcidin. Blood, 2005, 106, 3979-3984.	1.4	246
38	A physiological model to study iron recycling in macrophages. Experimental Cell Research, 2005, 310, 43-53.	2.6	90
39	Expression and subcellular localization of NRAMP1 in human neutrophil granules. Blood, 2002, 100, 268-275.	1.4	90
40	Iron transporter Nramp2/DMT-1 is associated with the membrane of phagosomes in macrophages and Sertoli cells. Blood, 2002, 100, 2617-2622.	1.4	61
41	Expression of the iron transporter DMT1 in kidney from normal and anemic mk mice. Kidney International, 2002, 62, 147-156.	5.2	90
42	Effect of Nramp1 on bacterial replication and on maturation of Mycobacterium avium-containing phagosomes in bone marrow-derived mouse macrophages. Cellular Microbiology, 2002, 4, 541-556.	2.1	48
43	Identification of a New Chemically Induced Allele (Lpm1Jus) at the Loop-Tail Locus: Morphology, Histology, and Genetic Mapping. Genomics, 2001, 72, 331-337.	2.9	44
44	Expression of the DMT1 (NRAMP2/DCT1) iron transporter in mice with genetic iron overload disorders. Blood, 2001, 97, 1138-1140.	1.4	90
45	Characterization of the iron transporter DMT1 (NRAMP2/DCT1) in red blood cells of normal and anemic mk/mkmice. Blood, 2001, 98, 3823-3830.	1.4	136
46	The Iron Transport Protein NRAMP2 Is an Integral Membrane Glycoprotein That Colocalizes with Transferrin in Recycling Endosomes. Journal of Experimental Medicine, 1999, 189, 831-841.	8.5	284
47	The Nramp1 Protein and Its Role in Resistance to Infection and Macrophage Function. Proceedings of the Association of American Physicians, 1999, 111, 283-289.	2.0	133
48	Functional Expression of Nramp1 In Vitro in the Murine Macrophage Line RAW264.7. Infection and Immunity, 1999, 67, 2225-2232.	2.2	103
49	Characterization of nuclear proteins that bind to the regulatory TGATTGGC motif in the human immunodeficiency virus type 1 long terminal repeat. Nucleic Acids Research, 1997, 25, 1177-1184.	14.5	13
50	cAMP and bFGF negatively regulate tropomyosin expression in rat cultured astroblasts. Neurochemistry International, 1994, 25, 545-553.	3.8	7