

Gal Nicolas

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

5,255
citations

25
h-index

51
g-index

51
ext. papers

5,743
ext. citations

5.8
avg, IF

4.68
L-index

#	Paper	IF	Citations
47	Lack of hepcidin gene expression and severe tissue iron overload in upstream stimulatory factor 2 (USF2) knockout mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 8780-5	11.5	982
46	The gene encoding the iron regulatory peptide hepcidin is regulated by anemia, hypoxia, and inflammation. <i>Journal of Clinical Investigation</i> , 2002 , 110, 1037-1044	15.9	967
45	Severe iron deficiency anemia in transgenic mice expressing liver hepcidin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 4596-601	11.5	678
44	The gene encoding the iron regulatory peptide hepcidin is regulated by anemia, hypoxia, and inflammation. <i>Journal of Clinical Investigation</i> , 2002 , 110, 1037-44	15.9	477
43	The AMP-activated protein kinase alpha2 catalytic subunit controls whole-body insulin sensitivity. <i>Journal of Clinical Investigation</i> , 2003 , 111, 91-8	15.9	396
42	Constitutive hepcidin expression prevents iron overload in a mouse model of hemochromatosis. <i>Nature Genetics</i> , 2003 , 34, 97-101	36.3	255
41	Hepcidin, a new iron regulatory peptide. <i>Blood Cells, Molecules, and Diseases</i> , 2002 , 29, 327-35	2.1	229
40	Hepcidin targets ferroportin for degradation in hepatocytes. <i>Haematologica</i> , 2010 , 95, 501-4	6.6	125
39	Porphyrias: A 2015 update. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2015 , 39, 412-25	2.4	96
38	Functional differences between hepcidin 1 and 2 in transgenic mice. <i>Blood</i> , 2004 , 103, 2816-21	2.2	94
37	Deregulation of proteins involved in iron metabolism in hepcidin-deficient mice. <i>Blood</i> , 2005 , 105, 4861-4.2		94
36	Tyrosine phosphorylation regulates alpha II spectrin cleavage by calpain. <i>Molecular and Cellular Biology</i> , 2002 , 22, 3527-36	4.8	87
35	Chronic hepcidin induction causes hyposideremia and alters the pattern of cellular iron accumulation in hemochromatotic mice. <i>Blood</i> , 2006 , 107, 2952-8	2.2	64
34	Alphall-spectrin is an in vitro target for caspase-2, and its cleavage is regulated by calmodulin binding. <i>Biochemical Journal</i> , 2004 , 378, 161-8	3.8	53
33	Iron- and inflammation-induced hepcidin gene expression in mice is not mediated by Kupffer cells in vivo. <i>Hepatology</i> , 2005 , 41, 1056-64	11.2	53
32	The microbiota shifts the iron sensing of intestinal cells. <i>FASEB Journal</i> , 2016 , 30, 252-61	0.9	52
31	Mutation in human elevates levels of aminolevulinatase synthase and protoporphyrin IX to promote erythropoietic protoporphyria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E8045-E8052	11.5	50

30	Spectrin self-association site: characterization and study of beta-spectrin mutations associated with hereditary elliptocytosis. <i>Biochemical Journal</i> , 1998 , 332 (Pt 1), 81-9	3.8	43
29	From a dominant to an oligogenic model of inheritance with environmental modifiers in acute intermittent porphyria. <i>Human Molecular Genetics</i> , 2018 , 27, 1164-1173	5.6	42
28	Hepcidin, a candidate modifier of the hemochromatosis phenotype in mice. <i>Blood</i> , 2004 , 103, 2841-3	2.2	41
27	Alphall-spectrin interacts with Tes and EVL, two actin-binding proteins located at cell contacts. <i>Biochemical Journal</i> , 2005 , 388, 631-8	3.8	41
26	LC-MS/MS method for hepcidin-25 measurement in human and mouse serum: clinical and research implications in iron disorders. <i>Clinical Chemistry and Laboratory Medicine</i> , 2015 , 53, 1557-67	5.9	39
25	Spectrin interacts with EVL (Enabled/vasodilator-stimulated phosphoprotein-like protein), a protein involved in actin polymerization. <i>Biology of the Cell</i> , 2006 , 98, 279-93	3.5	30
24	Transferrin receptor 1 mRNA is downregulated in placenta of hepcidin transgenic embryos. <i>FEBS Letters</i> , 2004 , 574, 187-91	3.8	29
23	Iron-deficiency anemia from matriptase-2 inactivation is dependent on the presence of functional Bmp6. <i>Blood</i> , 2011 , 117, 647-50	2.2	28
22	Iron chelation by curcumin suppresses both curcumin-induced autophagy and cell death together with iron overload neoplastic transformation. <i>Cell Death Discovery</i> , 2019 , 5, 150	6.9	25
21	Inactive matriptase-2 mutants found in IRIDA patients still repress hepcidin in a transfection assay despite having lost their serine protease activity. <i>Human Mutation</i> , 2012 , 33, 1388-96	4.7	21
20	Matriptase-2 is essential for hepcidin repression during fetal life and postnatal development in mice to maintain iron homeostasis. <i>Blood</i> , 2014 , 124, 441-4	2.2	20
19	A mutant alphall-spectrin designed to resist calpain and caspase cleavage questions the functional importance of this process in vivo. <i>Journal of Biological Chemistry</i> , 2007 , 282, 14226-37	5.4	20
18	Erythroid-Progenitor-Targeted Gene Therapy Using Bifunctional TFR1 Ligand-Peptides in Human Erythropoietic Protoporphyrin. <i>American Journal of Human Genetics</i> , 2019 , 104, 341-347	11	17
17	Properties of normal and mutant polypeptide fragments from the dimer self-association sites of human red cell spectrin. <i>European Biophysics Journal</i> , 1999 , 28, 208-15	1.9	17
16	Regulation and tissue-specific expression of δ -aminolevulinic acid synthases in non-syndromic sideroblastic anemias and porphyrias. <i>Molecular Genetics and Metabolism</i> , 2019 , 128, 190-197	3.7	13
15	Identification of new partners of the epithelial sodium channel alpha subunit. <i>Comptes Rendus - Biologies</i> , 2003 , 326, 615-24	1.4	11
14	Is EPO therapy able to correct iron deficiency anaemia caused by matriptase-2 deficiency?. <i>British Journal of Haematology</i> , 2011 , 152, 498-500	4.5	9
13	Lack of the multidrug transporter MRP4/ABCC4 defines the PEL-negative blood group and impairs platelet aggregation. <i>Blood</i> , 2020 , 135, 441-448	2.2	9

12	Identification of ubiquitinated repeats in human erythroid alpha-spectrin. <i>FEBS Journal</i> , 2000 , 267, 2812-9		7
11	Inherited glycosylphosphatidylinositol defects cause the rare Emm-negative blood phenotype and developmental disorders. <i>Blood</i> , 2021 , 137, 3660-3669	2.2	7
10	Phlebotomy as an efficient long-term treatment of congenital erythropoietic porphyria. <i>Haematologica</i> , 2021 , 106, 913-917	6.6	7
9	Method of site-directed mutagenesis using long primer-unique site elimination and exonuclease III. <i>BioTechniques</i> , 1997 , 22, 430-4	2.5	6
8	Iron deficiency and anemia in adolescent girls consuming predominantly plant-based diets in rural Ethiopia. <i>Scientific Reports</i> , 2019 , 9, 17244	4.9	5
7	Iron deficiency markers in patients undergoing iron replacement therapy: a 9-year retrospective real-world evidence study using healthcare databases. <i>Scientific Reports</i> , 2020 , 10, 14983	4.9	4
6	The ubiquitous mitochondrial protein unfoldase CLPX regulates erythroid heme synthesis by control of iron utilization and heme synthesis enzyme activation and turnover. <i>Journal of Biological Chemistry</i> , 2021 , 297, 100972	5.4	4
5	Proximal giant neurofilamentous axonopathy in mice genetically engineered to resist calpain and caspase cleavage of β I spectrin. <i>Journal of Molecular Neuroscience</i> , 2012 , 47, 631-8	3.3	2
4	A mutation in the iron-responsive element of β I is a modifier of disease severity in a patient suffering from associated erythropoietic protoporphyria. <i>Haematologica</i> , 2021 , 106, 2030-2033	6.6	2
3	CLPX regulates erythroid heme synthesis by control of mitochondrial heme synthesis enzymes and iron utilization		1
2	β I-spectrin controls calcium-regulated exocytosis in neuroendocrine chromaffin cells through neuronal Wiskott-Aldrich Syndrome protein interaction. <i>IUBMB Life</i> , 2020 , 72, 544-552	4.7	1
1	Lépeptide, un contrôle essentiel de l'absorption du fer. <i>Medecine/Sciences</i> , 2002 , 18, 270-271		