Gal Nicolas

List of Publications by Year in Descending Order

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	Inherited glycosylphosphatidylinositol defects cause the rare Emm-negative blood phenotype and developmental disorders. *Blood*, **2021**, 137, 3660-3669	2.2	7
46	Phlebotomy as an efficient long-term treatment of congenital erythropoietic porphyria. *Haematologica*, **2021**, 106, 913-917	6.6	7
45	A mutation in the iron-responsive element of is a modifier of disease severity in a patient suffering from associated erythropoietic protoporphyria. *Haematologica*, **2021**, 106, 2030-2033	6.6	2
44	The ubiquitous mitochondrial protein unfoldase CLPX regulates erythroid heme synthesis by control of iron utilization and heme synthesis enzyme activation and turnover. *Journal of Biological Chemistry*, **2021**, 297, 100972	5.4	4
43	-spectrin controls calcium-regulated exocytosis in neuroendocrine chromaffin cells through neuronal Wiskott-Aldrich Syndrome protein interaction. *IUBMB Life*, **2020**, 72, 544-552	4.7	1
42	Iron deficiency markers in patients undergoing iron replacement therapy: a 9-year retrospective real-world evidence study using healthcare databases. *Scientific Reports*, **2020**, 10, 14983	4.9	4
41	Lack of the multidrug transporter MRP4/ABCC4 defines the PEL-negative blood group and impairs platelet aggregation. *Blood*, **2020**, 135, 441-448	2.2	9
40	Erythroid-Progenitor-Targeted Gene Therapy Using Bifunctional TFR1 Ligand-Peptides in Human Erythropoietic Protoporphyria. *American Journal of Human Genetics*, **2019**, 104, 341-347	11	17
39	Regulation and tissue-specific expression of aminolevulinic acid synthases in non-syndromic sideroblastic anemias and porphyrias. *Molecular Genetics and Metabolism*, **2019**, 128, 190-197	3.7	13
38	Iron deficiency and anemia in adolescent girls consuming predominantly plant-based diets in rural Ethiopia. *Scientific Reports*, **2019**, 9, 17244	4.9	5
37	Iron chelation by curcumin suppresses both curcumin-induced autophagy and cell death together with iron overload neoplastic transformation. *Cell Death Discovery*, **2019**, 5, 150	6.9	25
36	From a dominant to an oligogenic model of inheritance with environmental modifiers in acute intermittent porphyria. *Human Molecular Genetics*, **2018**, 27, 1164-1173	5.6	42
35	Mutation in human elevates levels of aminolevulinate synthase and protoporphyrin IX to promote erythropoietic protoporphyria. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E8045-E8052	11.5	50
34	The microbiota shifts the iron sensing of intestinal cells. *FASEB Journal*, **2016**, 30, 252-61	0.9	52
33	Porphyrias: A 2015 update. *Clinics and Research in Hepatology and Gastroenterology*, **2015**, 39, 412-25	2.4	96
32	LC-MS/MS method for hepcidin-25 measurement in human and mouse serum: clinical and research implications in iron disorders. *Clinical Chemistry and Laboratory Medicine*, **2015**, 53, 1557-67	5.9	39
31	Matriptase-2 is essential for hepcidin repression during fetal life and postnatal development in mice to maintain iron homeostasis. *Blood*, **2014**, 124, 441-4	2.2	20

30	Inactive matriptase-2 mutants found in IRIDA patients still repress hepcidin in a transfection assay despite having lost their serine protease activity. *Human Mutation*, **2012**, 33, 1388-96	4.7	21
29	Proximal giant neurofilamentous axonopathy in mice genetically engineered to resist calpain and caspase cleavage of αII spectrin. *Journal of Molecular Neuroscience*, **2012**, 47, 631-8	3.3	2
28	Is EPO therapy able to correct iron deficiency anaemia caused by matriptase-2 deficiency?. *British Journal of Haematology*, **2011**, 152, 498-500	4.5	9
27	Iron-deficiency anemia from matriptase-2 inactivation is dependent on the presence of functional Bmp6. *Blood*, **2011**, 117, 647-50	2.2	28
26	Hepcidin targets ferroportin for degradation in hepatocytes. *Haematologica*, **2010**, 95, 501-4	6.6	125
25	A mutant alphaII-spectrin designed to resist calpain and caspase cleavage questions the functional importance of this process in vivo. *Journal of Biological Chemistry*, **2007**, 282, 14226-37	5.4	20
24	Spectrin interacts with EVL (Enabled/vasodilator-stimulated phosphoprotein-like protein), a protein involved in actin polymerization. *Biology of the Cell*, **2006**, 98, 279-93	3.5	30
23	Chronic hepcidin induction causes hyposideremia and alters the pattern of cellular iron accumulation in hemochromatotic mice. *Blood*, **2006**, 107, 2952-8	2.2	64
22	Deregulation of proteins involved in iron metabolism in hepcidin-deficient mice. *Blood*, **2005**, 105, 4861-4	4.2	94
21	AlphaII-spectrin interacts with Tes and EVL, two actin-binding proteins located at cell contacts. *Biochemical Journal*, **2005**, 388, 631-8	3.8	41
20	Iron- and inflammation-induced hepcidin gene expression in mice is not mediated by Kupffer cells in vivo. *Hepatology*, **2005**, 41, 1056-64	11.2	53
19	Transferrin receptor 1 mRNA is downregulated in placenta of hepcidin transgenic embryos. *FEBS Letters*, **2004**, 574, 187-91	3.8	29
18	Functional differences between hepcidin 1 and 2 in transgenic mice. *Blood*, **2004**, 103, 2816-21	2.2	94
17	Hepcidin, a candidate modifier of the hemochromatosis phenotype in mice. *Blood*, **2004**, 103, 2841-3	2.2	41
16	AlphaII-spectrin is an in vitro target for caspase-2, and its cleavage is regulated by calmodulin binding. *Biochemical Journal*, **2004**, 378, 161-8	3.8	53
15	Constitutive hepcidin expression prevents iron overload in a mouse model of hemochromatosis. *Nature Genetics*, **2003**, 34, 97-101	36.3	255
14	Identification of new partners of the epithelial sodium channel alpha subunit. *Comptes Rendus - Biologies*, **2003**, 326, 615-24	1.4	11
13	The AMP-activated protein kinase alpha2 catalytic subunit controls whole-body insulin sensitivity. *Journal of Clinical Investigation*, **2003**, 111, 91-8	15.9	396

12	L'hepcidine, un contrôle essentiel de l'absorption du fer. *Medecine/Sciences*, **2002**, 18, 270-271		
11	Severe iron deficiency anemia in transgenic mice expressing liver hepcidin. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 4596-601	11.5	678
10	Tyrosine phosphorylation regulates alpha II spectrin cleavage by calpain. *Molecular and Cellular Biology*, **2002**, 22, 3527-36	4.8	87
9	Hepcidin, a new iron regulatory peptide. *Blood Cells, Molecules, and Diseases*, **2002**, 29, 327-35	2.1	229
8	The gene encoding the iron regulatory peptide hepcidin is regulated by anemia, hypoxia, and inflammation. *Journal of Clinical Investigation*, **2002**, 110, 1037-1044	15.9	967
7	The gene encoding the iron regulatory peptide hepcidin is regulated by anemia, hypoxia, and inflammation. *Journal of Clinical Investigation*, **2002**, 110, 1037-44	15.9	477
6	Lack of hepcidin gene expression and severe tissue iron overload in upstream stimulatory factor 2 (USF2) knockout mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 8780-5	11.5	982
5	Identification of ubiquitinated repeats in human erythroid alpha-spectrin. *FEBS Journal*, **2000**, 267, 2812-9		7
4	Properties of normal and mutant polypeptide fragments from the dimer self-association sites of human red cell spectrin. *European Biophysics Journal*, **1999**, 28, 208-15	1.9	17
3	Spectrin self-association site: characterization and study of beta-spectrin mutations associated with hereditary elliptocytosis. *Biochemical Journal*, **1998**, 332 (Pt 1), 81-9	3.8	43
2	Method of site-directed mutagenesis using long primer-unique site elimination and exonuclease III. *BioTechniques*, **1997**, 22, 430-4	2.5	6
1	CLPX regulates erythroid heme synthesis by control of mitochondrial heme synthesis enzymes and iron utilization		1