Fernando Ferreira Costa

List of Publications by Citations

383 papers	5,297 citations	36 h-index	59 g-index
390 ext. papers	6,104 ext. citations	3.7 avg, IF	5.24 L-index

#	Paper	IF	Citations
383	DNA polymorphisms at the BCL11A, HBS1L-MYB, and beta-globin loci associate with fetal hemoglobin levels and pain crises in sickle cell disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 11869-74	11.5	428
382	Sickle cell disease. *Nature Reviews Disease Primers*, **2018**, 4, 18010	51.1	373
381	The Mutation Ala677->Val in the Methylene Tetrahydrofolate Reductase Gene: A Risk Factor for Arterial Disease and Venous Thrombosis. *Thrombosis and Haemostasis*, **1997**, 77, 0818-0821	7	201
380	An inherited mutation leading to production of only the short isoform of GATA-1 is associated with impaired erythropoiesis. *Nature Genetics*, **2006**, 38, 807-12	36.3	146
379	Prevalence of the Prothrombin Gene Variant (nt20210A) in Venous Thrombosis and Arterial Disease. *Thrombosis and Haemostasis*, **1997**, 78, 1430-1433	7	115
378	Newer aspects of the pathophysiology of sickle cell disease vaso-occlusion. *Hemoglobin*, **2009**, 33, 1-16	0.6	100
377	Hydroxyurea and a cGMP-amplifying agent have immediate benefits on acute vaso-occlusive events in sickle cell disease mice. *Blood*, **2012**, 120, 2879-88	2.2	72
376	Increased adhesive properties of neutrophils in sickle cell disease may be reversed by pharmacological nitric oxide donation. *Haematologica*, **2008**, 93, 605-9	6.6	64
375	Successful use of hydroxyurea in beta-thalassemia major. *New England Journal of Medicine*, **1997**, 336, 964	59.2	61
374	Prevalence of the mutation C677 --> T in the methylene tetrahydrofolate reductase gene among distinct ethnic groups in Brazil. *American Journal of Medical Genetics Part A*, **1998**, 78, 332-5		61
373	Acute hemolytic vascular inflammatory processes are prevented by nitric oxide replacement or a single dose of hydroxyurea. *Blood*, **2015**, 126, 711-20	2.2	59
372	DNA-based typing of blood groups for the management of multiply-transfused sickle cell disease patients. *Transfusion*, **2002**, 42, 232-8	2.9	59
371	Increased risk for acute myeloid leukaemia in individuals with glutathione S-transferase mu 1 (GSTM1) and theta 1 (GSTT1) gene defects. *European Journal of Haematology*, **2001**, 66, 383-8	3.8	59
370	Genomic polymorphisms in sickle cell disease: implications for clinical diversity and treatment. *Expert Review of Hematology*, **2010**, 3, 443-58	2.8	55
369	The release of nitric oxide and superoxide anion by neutrophils and mononuclear cells from patients with sickle cell anaemia. *British Journal of Haematology*, **1996**, 93, 333-40	4.5	55
368	Factor V Leiden (FVQ 506) is common in a Brazilian population. *American Journal of Hematology*, **1995**, 49, 242-3	7.1	52
367	Large-scale transcriptome analyses reveal new genetic marker candidates of head, neck, and thyroid cancer. *Cancer Research*, **2005**, 65, 1693-9	10.1	51

366	Linkage of dominant hereditary spherocytosis to the gene for the erythrocyte membrane-skeleton protein ankyrin. *New England Journal of Medicine*, **1990**, 323, 1046-50	59.2	51
365	Prevalence of homozygosity for the deleted alleles of glutathione S-transferase mu (GSTM1) and theta (GSTT1) among distinct ethnic groups from Brazil: relevance to environmental carcinogenesis?. *Clinical Genetics*, **1998**, 54, 210-4	4	46
364	Hemoglobin disorders and endothelial cell interactions. *Clinical Biochemistry*, **2009**, 42, 1824-38	3.5	43
363	ARHGAP10, a novel human gene coding for a potentially cytoskeletal Rho-GTPase activating protein. *Biochemical and Biophysical Research Communications*, **2002**, 294, 579-85	3.4	43
362	Pluripotent stem cells reveal erythroid-specific activities of the GATA1 N-terminus. *Journal of Clinical Investigation*, **2015**, 125, 993-1005	15.9	43
361	Population analysis of the alpha hemoglobin stabilizing protein (AHSP) gene identifies sequence variants that alter expression and function. *American Journal of Hematology*, **2008**, 83, 103-8	7.1	41
360	Design, synthesis, and pharmacological evaluation of novel hybrid compounds to treat sickle cell disease symptoms. part II: furoxan derivatives. *Journal of Medicinal Chemistry*, **2012**, 55, 7583-92	8.3	40
359	Pancytopenia in untreated patients with Graves' disease. *Thyroid*, **2006**, 16, 403-9	6.2	40
358	Follow-up of sickle cell disease patients with priapism treated by hydroxyurea. *American Journal of Hematology*, **2004**, 77, 45-9	7.1	40
357	Human leukocyte formin: a novel protein expressed in lymphoid malignancies and associated with Akt. *Biochemical and Biophysical Research Communications*, **2003**, 311, 365-71	3.4	40
356	An iron responsive element-like stem-loop regulates alpha-hemoglobin-stabilizing protein mRNA. *Journal of Biological Chemistry*, **2008**, 283, 26956-64	5.4	39
355	Leukocyte numbers correlate with plasma levels of granulocyte-macrophage colony-stimulating factor in sickle cell disease. *Annals of Hematology*, **2007**, 86, 255-61	3	39
354	Familial systemic mastocytosis with germline KIT K509I mutation is sensitive to treatment with imatinib, dasatinib and PKC412. *Leukemia Research*, **2014**, 38, 1245-51	2.7	38
353	Increased soluble guanylate cyclase activity in the red blood cells of sickle cell patients. *British Journal of Haematology*, **2004**, 124, 547-54	4.5	38
352	Effect of cytokines and chemokines on sickle neutrophil adhesion to fibronectin. *Acta Haematologica*, **2005**, 113, 130-6	2.7	38
351	p53, Mdm2, and c-Myc overexpression is associated with a poor prognosis in aggressive non-Hodgkin's lymphomas. *American Journal of Hematology*, **2001**, 67, 84-92	7.1	38
350	Expression of alpha-hemoglobin stabilizing protein gene during human erythropoiesis. *Experimental Hematology*, **2004**, 32, 157-62	3.1	37
349	Increased levels of soluble ICAM-1 in the plasma of sickle cell patients are reversed by hydroxyurea. *American Journal of Hematology*, **2004**, 76, 343-7	7.1	37

348	Red blood cell alloimmunization in patients with sickle cell disease: correlation with HLA and cytokine gene polymorphisms. *Transfusion*, **2017**, 57, 379-389	2.9	36
347	A novel mutation in the GJA1 gene in a family with oculodentodigital dysplasia. *JAMA Ophthalmology*, **2005**, 123, 1422-6		36
346	Therapy with hydroxyurea is associated with reduced adhesion molecule gene and protein expression in sickle red cells with a concomitant reduction in adhesive properties. *European Journal of Haematology*, **2007**, 78, 144-51	3.8	34
345	ARHGAP21 modulates FAK activity and impairs glioblastoma cell migration. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2009**, 1793, 806-16	4.9	33
344	FMNL1 promotes proliferation and migration of leukemia cells. *Journal of Leukocyte Biology*, **2013**, 94, 503-12	6.5	32
343	Increased cavernosal relaxations in sickle cell mice priapism are associated with alterations in the NO-cGMP signaling pathway. *Journal of Sexual Medicine*, **2009**, 6, 2187-96	1.1	32
342	Blood group genotyping facilitates transfusion of beta-thalassemia patients. *Journal of Clinical Laboratory Analysis*, **2002**, 16, 216-20	3	32
341	A randomized trial of amlodipine in addition to standard chelation therapy in patients with thalassemia major. *Blood*, **2016**, 128, 1555-61	2.2	32
340	Participation of Mac-1, LFA-1 and VLA-4 integrins in the in vitro adhesion of sickle cell disease neutrophils to endothelial layers, and reversal of adhesion by simvastatin. *Haematologica*, **2011**, 96, 526-33	6.6	30
339	Endothelial activation by platelets from sickle cell anemia patients. *PLoS ONE*, **2014**, 9, e89012	3.7	30
338	Role of innate immunity-triggered pathways in the pathogenesis of Sickle Cell Disease: a meta-analysis of gene expression studies. *Scientific Reports*, **2015**, 5, 17822	4.9	29
337	Design, synthesis, and pharmacological evaluation of novel hybrid compounds to treat sickle cell disease symptoms. *Journal of Medicinal Chemistry*, **2011**, 54, 5811-9	8.3	29
336	Functional characterization and target discovery of glycoside hydrolases from the digestome of the lower termite Coptotermes gestroi. *Biotechnology for Biofuels*, **2011**, 4, 50	7.8	29
335	Role for cAMP-protein kinase A signalling in augmented neutrophil adhesion and chemotaxis in sickle cell disease. *European Journal of Haematology*, **2007**, 79, 330-7	3.8	29
334	Polymorphisms of methylenetetrahydrofolate reductase (MTHFR), methionine synthase (MTR), methionine synthase reductase (MTRR), and thymidylate synthase (TYMS) in multiple myeloma risk. *Leukemia Research*, **2008**, 32, 401-5	2.7	29
333	In vitro and in vivo anti-angiogenic effects of hydroxyurea. *Microvascular Research*, **2014**, 94, 106-13	3.7	28
332	ANKHD1, ankyrin repeat and KH domain containing 1, is overexpressed in acute leukemias and is associated with SHP2 in K562 cells. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2006**, 1762, 828-34	6.9	28
331	Key endothelial cell angiogenic mechanisms are stimulated by the circulating milieu in sickle cell disease and attenuated by hydroxyurea. *Haematologica*, **2015**, 100, 730-9	6.6	27

330	Red cell membrane protein abnormalities in hereditary spherocytosis in Brazil. *British Journal of Haematology*, **1994**, 88, 295-9	4.5	27
329	Prominent role of platelets in the formation of circulating neutrophil-red cell heterocellular aggregates in sickle cell anemia. *Haematologica*, **2014**, 99, e214-7	6.6	26
328	Impaired red cell deformability in iron deficient subjects. *Clinical Hemorheology and Microcirculation* , **2009**, 43, 217-21	2.5	26
327	Causes of incidental neutropenia in adulthood. *Annals of Hematology*, **2006**, 85, 705-9	3	26
326	BCR-ABL binds to IRS-1 and IRS-1 phosphorylation is inhibited by imatinib in K562 cells. *FEBS Letters* , **2003**, 535, 17-22	3.8	26
325	Stathmin 1 is involved in the highly proliferative phenotype of high-risk myelodysplastic syndromes and acute leukemia cells. *Leukemia Research*, **2014**, 38, 251-7	2.7	25
324	Elevated plasma levels and platelet-associated expression of the pro-thrombotic and pro-inflammatory protein, TNFSF14 (LIGHT), in sickle cell disease. *British Journal of Haematology*, **2012**, 158, 788-97	4.5	25
323	High expression of the cGMP-specific phosphodiesterase, PDE9A, in sickle cell disease (SCD) and the effects of its inhibition in erythroid cells and SCD neutrophils. *British Journal of Haematology*, **2008**, 142, 836-44	4.5	25
322	Expression of the gamma-globin gene is sustained by the cAMP-dependent pathway in beta-thalassaemia. *British Journal of Haematology*, **2007**, 138, 382-95	4.5	25
321	Influence of the □ haplotype and □thalassemia on stroke development in a Brazilian population with sickle cell anaemia. *Annals of Hematology*, **2014**, 93, 1123-9	3	24
320	Increased adhesive properties of platelets in sickle cell disease: roles for alphaIIb beta3-mediated ligand binding, diminished cAMP signalling and increased phosphodiesterase 3A activity. *British Journal of Haematology*, **2010**, 149, 280-8	4.5	24
319	N-ras gene point mutations in Brazilian acute myelogenous leukemia patients correlate with a poor prognosis. *Leukemia and Lymphoma*, **1997**, 24, 309-17	1.9	24
318	High expression of FMNL1 protein in T non-Hodgkin□ lymphomas. *Leukemia Research*, **2006**, 30, 735-8	2.7	24
317	Polymorphisms in methylenetetrahydrofolate reductase gene (MTHFR) and the age of onset of sporadic colorectal adenocarcinoma. *International Journal of Colorectal Disease*, **2007**, 22, 757-63	3	23
316	A high risk of occurrence of sporadic breast cancer in individuals with the 104NN polymorphism of the COL18A1 gene. *Breast Cancer Research and Treatment*, **2006**, 100, 335-8	4.4	23
315	Molecular heterogeneity of G6PD deficiency in an Amazonian population and description of four new variants. *Blood Cells, Molecules, and Diseases*, **2002**, 28, 399-406	2.1	23
314	Hereditary hemoglobin disorders in a Brazilian population. *Human Heredity*, **1983**, 33, 125-9	1.1	23
313	Elevated hypercoagulability markers in hemoglobin SC disease. *Haematologica*, **2015**, 100, 466-71	6.6	22

312	Knockdown of insulin receptor substrate 1 reduces proliferation and downregulates Akt/mTOR and MAPK pathways in K562 cells. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2011**, 1813, 1404-11	4.9	22
311	Both interleukin-3 and interleukin-6 are necessary for better ex vivo expansion of CD133+ cells from umbilical cord blood. *Stem Cells and Development*, **2010**, 19, 413-22	4.4	22
310	Chronic liver abnormalities in sickle cell disease: a clinicopathological study in 70 living patients. *Acta Haematologica*, **2007**, 118, 129-35	2.7	22
309	Long-term hydroxyurea therapy in beta-thalassaemia patients. *European Journal of Haematology*, **2003**, 70, 151-5	3.8	22
308	Mutation analysis of the HFE gene in Brazilian populations. *Blood Cells, Molecules, and Diseases*, **1999**, 25, 324-7	2.1	22
307	Association of severe haemophilia A and factor V Leiden: report of three cases. *Haemophilia*, **1996**, 2, 51-3	3.3	22
306	Association of plasma CD40L with acute chest syndrome in sickle cell anemia. *Cytokine*, **2017**, 97, 104-107	4	21
305	In vitro microfluidic model for the study of vaso-occlusive processes. *Experimental Hematology*, **2015**, 43, 223-8	3.1	21
304	Inhibition of caspase-dependent spontaneous apoptosis via a cAMP-protein kinase A dependent pathway in neutrophils from sickle cell disease patients. *British Journal of Haematology*, **2007**, 139, 148-58	4.5	20
303	Human herpesvirus 6 in oral fluids from healthy individuals. *Archives of Oral Biology*, **2004**, 49, 1043-6	2.8	20
302	Expanding the Knowledge on Lignocellulolytic and Redox Enzymes of Worker and Soldier Castes from the Lower Termite. *Frontiers in Microbiology*, **2016**, 7, 1518	5.7	20
301	Reduced rate of sickle-related complications in Brazilian patients carrying HbF-promoting alleles at the BCL11A and HMIP-2 loci. *British Journal of Haematology*, **2016**, 173, 456-60	4.5	20
300	Beneficial Effect of the Nitric Oxide Donor Compound 3-(1,3-Dioxoisoindolin-2-yl)Benzyl Nitrate on Dysregulated Phosphodiesterase 5, NADPH Oxidase, and Nitrosative Stress in the Sickle Cell Mouse Penis: Implication for Priapism Treatment. *Journal of Pharmacology and Experimental Therapeutics*, **2016**, 359, 230-237	4.7	19
299	Erythropoiesis-driven regulation of hepcidin in human red cell disorders is better reflected through concentrations of soluble transferrin receptor rather than growth differentiation factor 15. *American Journal of Hematology*, **2014**, 89, 385-90	7.1	19
298	Molecular characterization of glucose-6-phosphate dehydrogenase deficiency in Brazil. *Human Heredity*, **1997**, 47, 17-21	1.1	19
297	A transcript finishing initiative for closing gaps in the human transcriptome. *Genome Research*, **2004**, 14, 1413-23	9.7	19
296	Hb KÌh [a2b298(FG5) val-met] identified by DNA analysis in a Brazilian family. *Genetics and Molecular Biology*, **1997**, 20, 745-748		19
295	Inhibition of phosphodiesterase 9A reduces cytokine-stimulated in vitro adhesion of neutrophils from sickle cell anemia individuals. *Inflammation Research*, **2011**, 60, 633-42	7.2	18

294	ARHGAP21 associates with FAK and PKCzeta and is redistributed after cardiac pressure overload. *Biochemical and Biophysical Research Communications*, **2008**, 374, 641-6	3.4	18
293	Increased adhesive properties of eosinophils in sickle cell disease. *Experimental Hematology*, **2004**, 32, 728-34	3.1	18
292	Molecular effects of the phosphatidylinositol-3-kinase inhibitor NVP-BKM120 on T and B-cell acute lymphoblastic leukaemia. *European Journal of Cancer*, **2015**, 51, 2076-85	7.5	17
291	Increased adhesive and inflammatory properties in blood outgrowth endothelial cells from sickle cell anemia patients. *Microvascular Research*, **2013**, 90, 173-9	3.7	17
290	Altered red cell and platelet adhesion in hemolytic diseases: Hereditary spherocytosis, paroxysmal nocturnal hemoglobinuria and sickle cell disease. *Clinical Biochemistry*, **2013**, 46, 1798-803	3.5	17
289	ANKHD1 silencing inhibits Stathmin 1 activity, cell proliferation and migration of leukemia cells. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2015**, 1853, 583-93	4.9	17
288	Ten-eleven-translocation 2 (TET2) is downregulated in myelodysplastic syndromes. *European Journal of Haematology*, **2015**, 94, 413-8	3.8	17
287	Cytomegalovirus infection as cause of severe thrombocytopenia in a nonimmunosuppressed patient. *Acta Haematologica*, **1997**, 98, 228-30	2.7	17
286	Possible influence of glutathione S-transferase GSTT1 null genotype on age of onset of sporadic colorectal adenocarcinoma. *Diseases of the Colon and Rectum*, **2003**, 46, 510-5	3.1	17
285	Association of Nitric Oxide Synthase and Matrix Metalloprotease Single Nucleotide Polymorphisms with Preeclampsia and Its Complications. *PLoS ONE*, **2015**, 10, e0136693	3.7	17
284	Simvastatin abrogates inflamed neutrophil adhesive properties, in association with the inhibition of Mac-1 integrin expression and modulation of Rho kinase activity. *Inflammation Research*, **2013**, 62, 127-32	2.2	16
283	51Cr-EDTA measurements of the glomerular filtration rate in patients with sickle cell anaemia and minor renal damage. *Nuclear Medicine Communications*, **2006**, 27, 959-62	1.6	16
282	Polymorphisms of glutathione S-transferase mu1 (GSTM1) and theta 1 (GSTT1) genes in chronic myeloid leukaemia. *European Journal of Haematology*, **2005**, 75, 530-1	3.8	16
281	Liver transplantation in a patient with S(beta)o-thalassemia. *Transplantation*, **2002**, 74, 896-8	1.8	16
280	Stathmin 1 inhibition amplifies ruxolitinib-induced apoptosis in JAK2V617F cells. *Oncotarget*, **2015**, 6, 29573-84	3.3	16
279	Red blood cells microparticles are associated with hemolysis markers and may contribute to clinical events among sickle cell disease patients. *Annals of Hematology*, **2019**, 98, 2507-2521	3	15
278	TNF induces neutrophil adhesion via formin-dependent cytoskeletal reorganization and activation of β1integrin function. *Journal of Leukocyte Biology*, **2018**, 103, 87-98	6.5	15
277	A prospective study on the prevalence and risk factors for neonatal thrombocytopenia and platelet alloimmunization among 9332 unselected Brazilian newborns. *Transfusion*, **2007**, 47, 59-66	2.9	15

276	Hydroxycarbamide reduces eosinophil adhesion and degranulation in sickle cell anaemia patients. *British Journal of Haematology*, **2014**, 164, 286-95	4.5	14
275	Alpha-hemoglobin-stabilizing protein: an erythroid molecular chaperone. *Biochemistry Research International*, **2011**, 2011, 373859	2.4	14
274	Identification of novel candidate genes for globin regulation in erythroid cells containing large deletions of the human beta-globin gene cluster. *Blood Cells, Molecules, and Diseases*, **2006**, 37, 82-90	2.1	14
273	Penetrance and phenotype of the Cys433Arg myocilin mutation in a family pedigree with primary open-angle glaucoma. *Journal of Glaucoma*, **2003**, 12, 104-7	2.1	14
272	AHSP and beta-thalassemia: a possible genetic modifier. *Hematology*, **2005**, 10, 157-61	2.2	14
271	Identification of protein-coding and non-coding RNA expression profiles in CD34+ and in stromal cells in refractory anemia with ringed sideroblasts. *BMC Medical Genomics*, **2010**, 3, 30	3.7	13
270	Platelet glycoprotein Ibalpha polymorphisms modulate the risk for myocardial infarction. *Thrombosis and Haemostasis*, **2004**, 92, 384-6	7	13
269	Tissue factor-dependent coagulation activation by heme: A thromboelastometry study. *PLoS ONE*, **2017**, 12, e0176505	3.7	13
268	Protein-coding genes and long noncoding RNAs are differentially expressed in dasatinib-treated chronic myeloid leukemia patients with resistance to imatinib. *Hematology*, **2014**, 19, 31-41	2.2	12
267	A polymorphism in the angiogenesis inhibitor, endostatin, in multiple myeloma. *Leukemia Research*, **2003**, 27, 93-4	2.7	12
266	IRS2 silencing increases apoptosis and potentiates the effects of ruxolitinib in JAK2V617F-positive myeloproliferative neoplasms. *Oncotarget*, **2016**, 7, 6948-59	3.3	12
265	Viability of umbilical cord blood mononuclear cell subsets until 96 hours after collection. *Transfusion*, **2013**, 53, 2034-42	2.9	11
264	High risk of de novo acute myeloid leukaemia in individuals with cytochrome P450 A1 (CYP1A1) and NAD(P)H:quinone oxidoreductase 1 (NQO1) gene defects. *European Journal of Haematology*, **2009**, 83, 270-2	3.8	11
263	GSTM1 and codon 72 P53 polymorphism in multiple myeloma. *Annals of Hematology*, **2007**, 86, 815-9	3	11
262	N-RAS and K-RAS gene mutations in Brazilian patients with multiple myeloma. *Leukemia and Lymphoma*, **2006**, 47, 285-9	1.9	11
261	Risk factors for conjunctival and retinal vessel alterations in sickle cell disease. *Acta Ophthalmologica*, **2006**, 84, 234-41		11
260	A recurrent frameshift mutation of the ankyrin gene associated with severe hereditary spherocytosis. *British Journal of Haematology*, **2000**, 111, 1190-3	4.5	11
259	Association of the G-463A myeloperoxidase polymorphism with infection in sickle cell anemia. *Haematologica*, **2005**, 90, 977-9	6.6	11

258	Clinical relevance of heterozygosis for aceruloplasminemia. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, **2019**, 180, 266-271	3.5	10
257	Low Ten-eleven-translocation 2 (TET2) transcript level is independent of TET2 mutation in patients with myeloid neoplasms. *Diagnostic Pathology*, **2016**, 11, 28	3	10
256	Characterization of beta-thalassemia mutations in patients from the state of Rio Grande do Norte, Brazil. *Genetics and Molecular Biology*, **2011**, 34, 425-8	2	10
255	Molecular analysis of the retinoblastoma (RB1) gene in acute myeloid leukemia patients. *Leukemia Research*, **1998**, 22, 787-92	2.7	10
254	Reduction of AHSP synthesis in hemin-induced K562 cells and EPO-induced CD34(+) cells leads to alpha-globin precipitation, impairment of normal hemoglobin production, and increased cell death. *Experimental Hematology*, **2008**, 36, 265-72	3.1	10
253	Up-regulation of NADPH oxidase components and increased production of interferon-gamma by leukocytes from sickle cell disease patients. *American Journal of Hematology*, **2008**, 83, 41-5	7.1	10
252	Progesterone upregulates GATA-1 on erythroid progenitors cells in liquid culture. *Blood Cells, Molecules, and Diseases*, **2002**, 29, 213-24	2.1	10
251	beta-thalassemia trait might increase the severity of hemochromatosis in subjects with the C282Y mutation in the HFE gene. *American Journal of Hematology*, **2000**, 63, 230	7.1	10
250	Urinary Bladder Dysfunction in Transgenic Sickle Cell Disease Mice. *PLoS ONE*, **2015**, 10, e0133996	3.7	10
249	The genetics of blood disorders: hereditary hemoglobinopathies. *Jornal De Pediatria*, **2008**, 84, S40-51	2.6	10
248	Clinically relevant RHD-CE genotypes in patients with sickle cell disease and in African Brazilian donors. *Blood Transfusion*, **2016**, 14, 449-54	3.6	10
247	Acute myocardial infarction in sickle cell disease: a possible complication of hydroxyurea treatment. *The Hematology Journal*, **2005**, 5, 589-90		10
246	A novel mechanism of NPM1 cytoplasmic localization in acute myeloid leukemia: the recurrent gene fusion NPM1-HAUS1. *Haematologica*, **2016**, 101, e287-90	6.6	9
245	Sickle cell/β-thalassemia: Comparison of Sβ+ and Sβ0 Brazilian patients followed at a single institution. *Hematology*, **2016**, 21, 623-629	2.2	9
244	Influence of alpha thalassemia on clinical and laboratory parameters among nigerian children with sickle cell anemia. *Journal of Clinical Laboratory Analysis*, **2019**, 33, e22656	3	9
243	Downregulation of IRS2 in myelodysplastic syndrome: a possible role in impaired hematopoietic cell differentiation. *Leukemia Research*, **2012**, 36, 931-5	2.7	9
242	Hb S-São Paulo: a new sickling hemoglobin with stable polymers and decreased oxygen affinity. *Archives of Biochemistry and Biophysics*, **2012**, 519, 23-31	4.1	9
241	Determination of β haplotypes in patients with sickle-cell anemia in the state of Rio Grande do Norte, Brazil. *Genetics and Molecular Biology*, **2011**, 34, 421-4	2	9

240	Effects of thalidomide on long-term bone marrow cultures from patients with myelodysplastic syndromes: induction of IL-10 expression in the stromal layers. *Leukemia Research*, **2011**, 35, 1102-7	2.7	9
239	New mutations detected by denaturing high performance liquid chromatography during screening of exon 6 bcr-abl mutations in patients with chronic myeloid leukemia treated with tyrosine kinase inhibitors. *Leukemia and Lymphoma*, **2009**, 50, 1148-54	1.9	9
238	Gene expression profiles of erythroid precursors characterise several mechanisms of the action of hydroxycarbamide in sickle cell anaemia. *British Journal of Haematology*, **2007**, 136, 333-42	4.5	9
237	alpha-cardiac actin (ACTC) binds to the band 3 (AE1) cardiac isoform. *Journal of Cellular Biochemistry*, **2003**, 89, 1215-21	4.7	9
236	Sympathetic Hyperactivity, Increased Tyrosine Hydroxylase and Exaggerated Corpus Cavernosum Relaxations Associated with Oxidative Stress Plays a Major Role in the Penis Dysfunction in Townes Sickle Cell Mouse. *PLoS ONE*, **2016**, 11, e0166291	3.7	9
235	Enalapril therapy and cardiac remodelling in sickle cell disease patients. *Acta Cardiologica*, **2008**, 63, 599-602	0.9	9
234	Differences in heme and hemopexin content in lipoproteins from patients with sickle cell disease. *Journal of Clinical Lipidology*, **2018**, 12, 1532-1538	4.9	9
233	High levels of proinflammatory cytokines IL-6 and IL-8 are associated with a poor clinical outcome in sickle cell anemia. *Annals of Hematology*, **2020**, 99, 947-953	3	8
232	Polymorphism in the HMOX1 gene is associated with high levels of fetal hemoglobin in Brazilian patients with sickle cell anemia. *Hemoglobin*, **2013**, 37, 315-24	0.6	8
231	Molecular characteristics and chromatin texture features in acute promyelocytic leukemia. *Diagnostic Pathology*, **2012**, 7, 75	3	8
230	Haplotypes of alpha-globin gene regulatory element in two Brazilian native populations. *American Journal of Physical Anthropology*, **2003**, 121, 58-62	2.5	8
229	Band 3Tamba□a de novo mutation in the AE1 gene associated with hereditary spherocytosis. Implications for anion exchange and insertion into the red blood cell membrane. *European Journal of Haematology*, **2005**, 74, 396-401	3.8	8
228	Possible association between cytomegalovirus infection and gastrointestinal bleeding in hemophiliac patients. *Acta Haematologica*, **2000**, 103, 73-7	2.7	8
227	Expression of spectrin alphaI/50 hereditary elliptocytosis and its association with the alphaLELY allele. *Acta Haematologica*, **1998**, 100, 32-8	2.7	8
226	Engulfment and killing capabilities of neutrophils and phagocytic splenic function in persons occupationally exposed to lead. *International Journal of Immunopharmacology*, **1994**, 16, 239-44		8
225	Synthesis and evaluation of resveratrol derivatives as fetal hemoglobin inducers. *Bioorganic Chemistry*, **2020**, 100, 103948	5.1	8
224	Telomere length correlates with disease severity and inflammation in sickle cell disease. *Revista Brasileira De Hematologia E Hemoterapia*, **2017**, 39, 140-145		7
223	JAK2 V617F mutation prevalence in myeloproliferative neoplasms in Pernambuco, Brazil. *Genetic Testing and Molecular Biomarkers*, **2012**, 16, 802-5	1.6	7

222	Sickle cell disease serum induces NADPH enzyme subunit expression and oxidant production in leukocytes. *Hematology*, **2010**, 15, 422-9	2.2	7
221	PIP4KIIA and beta-globin: transcripts differentially expressed in reticulocytes and associated with high levels of Hb H in two siblings with Hb H disease. *European Journal of Haematology*, **2009**, 83, 490-3	3.8	7
220	Alterations in cell maturity and serum survival factors may modulate neutrophil numbers in sickle cell disease. *Experimental Biology and Medicine*, **2011**, 236, 1239-46	3.7	7
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