Jacques Elion

List of Publications by Citations

219 papers	7,125 citations	45 h-index	73 g-index
249 ext. papers	7,771 ext. citations	5.2 avg, IF	4.83 L-index

#	Paper	IF	Citations
219	The link between phylogeny and virulence in Escherichia coli extraintestinal infection. *Infection and Immunity*, **1999**, 67, 546-53	3.7	555
218	Highly variable mutation rates in commensal and pathogenic Escherichia coli. *Science*, **1997**, 277, 1833-4	33.3	325
217	Commensal Escherichia coli isolates are phylogenetically distributed among geographically distinct human populations. *Microbiology (United Kingdom)*, **2001**, 147, 1671-1676	2.9	223
216	Identification of constitutional WT1 mutations, in patients with isolated diffuse mesangial sclerosis, and analysis of genotype/phenotype correlations by use of a computerized mutation database. *American Journal of Human Genetics*, **1998**, 62, 824-33	11	215
215	Phylogenetic analysis of Escherichia coli strains causing neonatal meningitis suggests horizontal gene transfer from a predominant pool of highly virulent B2 group strains. *Journal of Infectious Diseases*, **1998**, 177, 642-50	7	202
214	Evolutionary implications of the frequent horizontal transfer of mismatch repair genes. *Cell*, **2000**, 103, 711-21	56.2	198
213	Use of ribotyping in epidemiological surveillance of nosocomial outbreaks. *Clinical Microbiology Reviews*, **1994**, 7, 311-27	34	106
212	Identification of regions of the Escherichia coli chromosome specific for neonatal meningitis-associated strains. *Infection and Immunity*, **2000**, 68, 2096-101	3.7	98
211	Sex in Escherichia coli does not disrupt the clonal structure of the population: evidence from random amplified polymorphic DNA and restriction-fragment-length polymorphism. *Journal of Molecular Evolution*, **1995**, 41, 440-8	3.1	97
210	Mutation of SFTPC in infantile pulmonary alveolar proteinosis with or without fibrosing lung disease. *American Journal of Medical Genetics Part A*, **2004**, 126A, 18-26		96
209	Identification of a clone of Escherichia coli O103:H2 as a potential agent of hemolytic-uremic syndrome in France. *Journal of Clinical Microbiology*, **1993**, 31, 296-301	9.7	91
208	Prothrombin. *Methods in Enzymology*, **1981**, 80 Pt C, 286-302	1.7	89
207	Molecular epidemiology of plasmid spread among extended broad-spectrum beta-lactamase-producing Klebsiella pneumoniae isolates in a pediatric hospital. *Journal of Clinical Microbiology*, **1993**, 31, 179-84	9.7	89
206	Restriction pattern of the major outer-membrane protein gene provides evidence for a homogeneous invasive group among ruminant isolates of Chlamydia psittaci. *Journal of General Microbiology*, **1991**, 137, 2525-30		88
205	Analysis of DNA restriction fragment length polymorphism extends the evidence for breast milk transmission in Streptococcus agalactiae late-onset neonatal infection. *Journal of Infectious Diseases*, **1992**, 165, 569-73	7	83
204	Acute clinical events in 299 homozygous sickle cell patients living in France. French Study Group on Sickle Cell Disease. *European Journal of Haematology*, **2000**, 65, 155-64	3.8	82
203	A novel sickle cell mutation of yet another origin in Africa: the Cameroon type. *Human Genetics*, **1992**, 89, 333-7	6.3	80

202	Evidence for the genetic unrelatedness of nosocomial vancomycin-resistant Enterococcus faecium strains in a pediatric hospital. *Journal of Clinical Microbiology*, **1991**, 29, 1888-92	9.7	76
201	Hydroxyurea corrects the dysregulated L-selectin expression and increased H(2)O(2) production of polymorphonuclear neutrophils from patients with sickle cell anemia. *Blood*, **2002**, 99, 2297-303	2.2	75
200	The spectrum of cardiac anomalies in Noonan syndrome as a result of mutations in the PTPN11 gene. *Pediatrics*, **2007**, 119, e1325-31	7.4	74
199	Frequency of pain crises in sickle cell anemia and its relationship with the sympatho-vagal balance, blood viscosity and inflammation. *Haematologica*, **2011**, 96, 1589-94	6.6	73
198	Prevalence of the G20210A polymorphism in the 3'-untranslated region of the prothrombin gene in different human populations. *Acta Haematologica*, **1998**, 100, 9-12	2.7	72
197	WT1 splice-site mutations are rarely associated with primary steroid-resistant focal and segmental glomerulosclerosis. *Kidney International*, **2000**, 57, 1868-72	9.9	71
196	Molecular basis of methylmalonyl-CoA mutase apoenzyme defect in 40 European patients affected by mut(o) and mut- forms of methylmalonic acidemia: identification of 29 novel mutations in the MUT gene. *Human Mutation*, **2005**, 25, 167-76	4.7	68
195	Hydroxyurea downregulates endothelin-1 gene expression and upregulates ICAM-1 gene expression in cultured human endothelial cells. *Pharmacogenomics Journal*, **2003**, 3, 215-26	3.5	67
194	Modulation of erythroid adhesion receptor expression by hydroxyurea in children with sickle cell disease. *Haematologica*, **2008**, 93, 502-10	6.6	64
193	Genotype-phenotype correlations in fetuses and neonates with autosomal recessive polycystic kidney disease. *Kidney International*, **2010**, 77, 350-8	9.9	63
192	Description and partial characterization of a new chlamydia-like microorganism. *FEMS Microbiology Letters*, **1993**, 109, 329-333	2.9	62
191	Prevalence of SMN1 deletion and duplication in carrier and normal populations: implication for genetic counselling. *Journal of Medical Genetics*, **2003**, 40, e39	5.8	61
190	Genotype determination at the survival motor neuron locus in a normal population and SMA carriers using competitive PCR and primer extension. *Human Mutation*, **2000**, 16, 253-63	4.7	60
189	Fetal Hemoglobin and F-Cell Responses to Long-Term Hydroxyurea Treatment in Young Sickle Cell Patients. *Blood*, **1998**, 91, 4472-4479	2.2	59
188	Infectious complications in sickle cell disease are influenced by HLA class II alleles. *Human Immunology*, **2002**, 63, 194-9	2.3	56
187	Usefulness of omp1 restriction mapping for avian Chlamydia psittaci isolate differentiation. *Research in Microbiology*, **1995**, 146, 155-65	4	56
186	Mother-to-child transmitted WT1 splice-site mutation is responsible for distinct glomerular diseases. *Journal of the American Society of Nephrology: JASN*, **1999**, 10, 2219-23	12.7	56
185	Purification, immunological and biochemical characterization of rat 28 kDa cholecalcin (cholecalciferol-induced calcium-binding proteins). Identity between renal and cerebellar cholecalcins. *Biochemical Journal*, **1985**, 231, 89-95	3.8	54

184	Newborn screening for sickle cell disease in Europe: recommendations from a Pan-European Consensus Conference. *British Journal of Haematology*, **2018**, 183, 648-660	4.5	54
183	The relative importance of the X-linked FCP locus and beta-globin haplotypes in determining haemoglobin F levels: a study of SS patients homozygous for beta S haplotypes. *British Journal of Haematology*, **1997**, 96, 806-14	4.5	51
182	Genetic polymorphism of the mannose-binding protein gene in children with sickle cell disease: identification of three new variant alleles and relationship to infections. *European Journal of Human Genetics*, **1999**, 7, 679-86	5.3	50
181	Fetal hemoglobin and hydroxycarbamide moduate both plasma concentration and cellular origin of circulating microparticles in sickle cell anemia children. *Haematologica*, **2013**, 98, 862-7	6.6	49
180	Increased protein binding to a -530 mutation of the human beta-globin gene associated with decreased beta-globin synthesis. *American Journal of Hematology*, **1991**, 36, 42-7	7.1	48
179	The European Hematology Association Roadmap for European Hematology Research: a consensus document. *Haematologica*, **2016**, 101, 115-208	6.6	46
178	DNA restriction fragment length polymorphism differentiates crossed from independent infections in nosocomial Xanthomonas maltophilia bacteremia. *Journal of Clinical Microbiology*, **1991**, 29, 1348-50	9.7	46
177	Association of UGT1A1 polymorphism with prevalence and age at onset of cholelithiasis in sickle cell anemia. *Haematologica*, **2005**, 90, 188-99	6.6	46
176	Neonatal screening for sickle cell disease in France. *Journal of Clinical Pathology*, **2009**, 62, 31-3	3.9	45
175	Erythroid adhesion molecules in sickle cell disease: effect of hydroxyurea. *Transfusion Clinique Et Biologique*, **2008**, 15, 39-50	1.9	45
174	Analysis of 40 sporadic or familial neonatal and pediatric cases with severe unexplained respiratory distress: relationship to SFTPB. *American Journal of Medical Genetics Part A*, **2003**, 119A, 324-39		44
173	Arbitrarily primed polymerase chain reaction provides rapid differentiation of Proteus mirabilis isolates from a pediatric hospital. *Journal of Clinical Microbiology*, **1993**, 31, 1055-9	9.7	44
172	Preliminary report on the use of desferrioxamine in the treatment of Plasmodium falciparum malaria. *American Journal of Hematology*, **1991**, 37, 206-8	7.1	43
171	Cross-species characterization of the promoter region of the cystic fibrosis transmembrane conductance regulator gene reveals multiple levels of regulation. *Biochemical Journal*, **1997**, 327 (Pt 3), 651-62	3.8	42
170	Chromosome 22q13.3 deletion syndrome with a de novo interstitial 22q13.3 cryptic deletion disrupting SHANK3. *European Journal of Medical Genetics*, **2009**, 52, 328-32	2.6	41
169	Differentiation of Escherichia coli strains using randomly amplified polymorphic DNA analysis. *Research in Microbiology*, **1994**, 145, 141-50	4	41
168	Arbitrarily primed polymerase chain reaction as a rapid method to differentiate crossed from independent Pseudomonas cepacia infections in cystic fibrosis patients. *Journal of Clinical Microbiology*, **1993**, 31, 2589-93	9.7	41
167	Virulence patterns of Escherichia coli K1 strains associated with neonatal meningitis. *Journal of Clinical Microbiology*, **1997**, 35, 2981-2	9.7	41

166	Compound SFTPB 1549C-->GAA (121ins2) and 457delC heterozygosity in severe congenital lung disease and surfactant protein B (SP-B) deficiency. *Human Mutation*, **1999**, 14, 502-9	4.7	38
165	Genetic epidemiology of beta-thalassemia in Sicily: do sequences 5' to the G gamma gene and 5' to the beta gene interact to enhance HbF expression in beta-thalassemia?. *American Journal of Hematology*, **1992**, 40, 199-206	7.1	37
164	Improvement of medical care in a cohort of newborns with sickle-cell disease in North Paris: impact of national guidelines. *British Journal of Haematology*, **2016**, 173, 927-37	4.5	37
163	Heterogeneous ethnic distribution of the 844ins68 in the cystathionine beta-synthase gene. *Human Heredity*, **1998**, 48, 338-42	1.1	36
162	Rapid genotyping shows the absence of cross-contamination in Enterobacter cloacae nosocomial infections. *Journal of Hospital Infection*, **1992**, 21, 95-101	6.9	35
161	Strong association between a new marker of hemolysis and glomerulopathy in sickle cell anemia. *Blood Cells, Molecules, and Diseases*, **2010**, 45, 289-92	2.1	34
160	MtDNA haplogroup analysis of black Brazilian and sub-Saharan populations: implications for the Atlantic slave trade. *Human Biology*, **2006**, 78, 29-41	1.2	34
159	Molecular analysis provides evidence for the endogenous origin of bacteremia and meningitis due to Enterobacter cloacae in an infant. *Clinical Infectious Diseases*, **1992**, 15, 30-2	11.6	34
158	Alpha-thalassemia is associated with a decreased occurrence and a delayed age-at-onset of albuminuria in sickle cell anemia patients. *Blood Cells, Molecules, and Diseases*, **2010**, 45, 154-8	2.1	33
157	Two variants of hemoglobin D in the algerian population: hemoglobin D Ouled Rabah 19 (BI) Asn leads to Lys and hemoglobin D Iran 22 (Br) Glu leads to Gln. *Biochimica Et Biophysica Acta (BBA) - Protein Structure*, **1973**, 310, 360-4		33
156	Sickle cell anemia in Guadeloupean children: pattern and prevalence of acute clinical events. *European Journal of Haematology*, **2006**, 76, 193-9	3.8	32
155	Genetic diversity of two African and sixteen South American populations determined on the basis of six hypervariable loci. *American Journal of Physical Anthropology*, **1999**, 109, 425-37	2.5	32
154	The absence of correlation between allozyme and rrn RFLP analysis indicates a high gene flow rate within human clinical Pseudomonas aeruginosa isolates. *FEMS Microbiology Letters*, **1993**, 110, 275-80	2.9	32
153	HLA-DQB 1 codon 57 and genetic susceptibility to type 1 (insulin-dependent) diabetes mellitus in French children. *Diabetologia*, **1990**, 33, 174-6	10.3	32
152	N219Y, a new frequent mutation among mut(degree) forms of methylmalonic acidemia in Caucasian patients. *European Journal of Human Genetics*, **2001**, 9, 577-82	5.3	31
151	Atypical beta(s) haplotypes are generated by diverse genetic mechanisms. *American Journal of Hematology*, **2000**, 63, 79-84	7.1	31
150	Mechanisms of the spread of penicillin resistance in Streptococcus pneumoniae strains causing meningitis in children in France. *Journal of Infectious Diseases*, **1996**, 174, 520-8	7	31
149	Complexity of Pseudomonas aeruginosa infection in cystic fibrosis: combined results from esterase electrophoresis and rDNA restriction fragment length polymorphism analysis. *Epidemiology and Infection*, **1991**, 106, 531-9	4.3	31

148	Ribotyping provides efficient differentiation of nosocomial Serratia marcescens isolates in a pediatric hospital. *Journal of Clinical Microbiology*, **1992**, 30, 2088-91	9.7	31
147	Degree of anemia, indirect markers of hemolysis, and vascular complications of sickle cell disease in Africa. *Blood*, **2017**, 130, 2215-2223	2.2	30
146	Genetic heterogeneity of Pseudomonas aeruginosa clinical isolates revealed by esterase electrophoretic polymorphism and restriction fragment length polymorphism of the ribosomal RNA gene region. *Journal of Medical Microbiology*, **1994**, 40, 313-22	3.2	30
145	Five years of molecular diagnosis of Fragile X syndrome (1997-2001): a collaborative study reporting 95% of the activity in France. *American Journal of Medical Genetics Part A*, **2004**, 129A, 218-24		29
144	Electroactivity of adsorbed prothrombin at the Hg/solution interface and relation with the nature of the adsorption states. *Journal of Electroanalytical Chemistry and Interfacial Electrochemistry*, **1984**, 163, 345-362		29
143	Extensive study of DRB, DQA, and DQB gene polymorphism in 23 DR2-positive, insulin-dependent diabetes mellitus patients. *Human Immunology*, **1992**, 33, 140-7	2.3	27
142	Haemoglobinopathies: a pitfall in the assessment of glycosylated haemoglobin by ion-exchange chromatography. *Diabetologia*, **1984**, 27, 596-8	10.3	27
141	Proteolytic derivatives of thrombin. *Annals of the New York Academy of Sciences*, **1986**, 485, 16-26	6.5	27
140	Hydroxycarbamide decreases sickle reticulocyte adhesion to resting endothelium by inhibiting endothelial lutheran/basal cell adhesion molecule (Lu/BCAM) through phosphodiesterase 4A activation. *Journal of Biological Chemistry*, **2014**, 289, 11512-11521	5.4	26
139	Impact of glucose-6-phosphate dehydrogenase deficiency on sickle cell anaemia expression in infancy and early childhood: a prospective study. *British Journal of Haematology*, **2013**, 163, 646-54	4.5	26
138	DNA restriction fragment length polymorphism differentiates recurrence from relapse in treatment failures of Streptococcus pyogenes pharyngitis. *Journal of Medical Microbiology*, **1992**, 37, 162-4	3.2	26
137	Inter-ethnic polymorphism of the beta-globin gene locus control region (LCR) in sickle-cell anemia patients. *Human Genetics*, **1993**, 91, 464-8	6.3	26
136	A silent hemoglobin variant: hemoglobin necker enfants-malades alpha 20 (B1) His leads to Tyr. *Hemoglobin*, **1980**, 4, 177-84	0.6	26
135	Transcriptional regulation of rat alpha 1-acid glycoprotein gene by phenobarbital. *Journal of Biological Chemistry*, **1994**, 269, 27175-8	5.4	26
134	Decreased plasma endothelin-1 levels in children with sickle cell disease treated with hydroxyurea. *Haematologica*, **2005**, 90, 401-3	6.6	26
133	Association between Duffy antigen receptor for chemokines expression and levels of inflammation markers in sickle cell anemia patients. *Clinical Immunology*, **2010**, 136, 116-22	9	25
132	Mother-to-infant vertical transmission and cross-colonization of Streptococcus pyogenes confirmed by DNA restriction fragment length polymorphism analysis. *Journal of Infectious Diseases* , **1992**, 165, 147-50	7	25
131	Comparative study of Mycobacterium paratuberculosis strains isolated from Crohn's disease and Johne's disease using restriction fragment length polymorphism and arbitrarily primed polymerase chain reaction. *Epidemiology and Infection*, **1997**, 118, 227-33	4.3	24

130	UGT1A1 polymorphism outweighs the modest effect of deletional (-3.7 kb) alpha-thalassemia on cholelithogenesis in sickle cell anemia. *American Journal of Hematology*, **2006**, 81, 377-9	7.1	24
129	Pathophysiological insights in sickle cell disease. *Indian Journal of Medical Research*, **2011**, 134, 532-7	2.9	24
128	Pre- and postnatal phenotype of 6p25 deletions involving the FOXC1 gene. *American Journal of Medical Genetics, Part A*, **2012**, 158A, 2430-8	2.5	23
127	ET-1 and ecNOS gene polymorphisms andsusceptibility to acute chest syndrome and painful vaso-occlusive crises in children with sickle cell anemia. *Haematologica*, **2006**, 91, 1277-8	6.6	23
126	Sequence polymorphisms of potential functional relevance in the beta-globin gene locus. *Hemoglobin*, **1996**, 20, 85-101	0.6	22
125	Vaso-occlusion in sickle cell anemia: role of interactions between blood cells and endothelium. *The Hematology Journal*, **2004**, 5 Suppl 3, S195-8		21
124	The placental-umbilical unit in sickle cell disease pregnancy: a model for studying in vivo functional adjustments to hypoxia in humans. *Human Pathology*, **2004**, 35, 1353-9	3.7	21
123	A microfluidic approach to study the effect of mechanical stress on erythrocytes in sickle cell disease. *Lab on A Chip*, **2018**, 18, 2975-2984	7.2	21
122	Clinical and haematological risk factors for cerebral macrovasculopathy in a sickle cell disease newborn cohort: a prospective study. *British Journal of Haematology*, **2016**, 172, 966-77	4.5	20
121	Differential modulation of adhesion molecule expression by hydroxycarbamide in human endothelial cells from the micro- and macrocirculation: potential implications in sickle cell disease vasoocclusive events. *Haematologica*, **2011**, 96, 534-42	6.6	20
120	Origin of the prevalent SFTPB indel g.1549C > GAA (121ins2) mutation causing surfactant protein B (SP-B) deficiency. *American Journal of Medical Genetics, Part A*, **2006**, 140, 62-9	2.5	20
119	Molecular analysis of multiply recurrent meningitis due to Escherichia coli K1 in an infant. *Clinical Infectious Diseases*, **1993**, 16, 82-5	11.6	20
118	Homogeneity of the major outer membrane protein gene of feline Chlamydia psittaci. *Research in Veterinary Science*, **1994**, 56, 116-8	2.5	20
117	Distribution of CFTR mutations in cystic fibrosis patients of Tunisian origin: identification of two novel mutations. *European Journal of Human Genetics*, **1996**, 4, 20-4	5.3	20
116	Deletion mapping indicates that MTS1 is the target of frequent deletions at chromosome 9p21 in paediatric acute lymphoblastic leukaemias. *British Journal of Haematology*, **1996**, 92, 410-9	4.5	19
115	Molecular epidemiological analysis of Pseudomonas aeruginosa strains causing failure of antibiotic therapy in cystic fibrosis patients. *European Journal of Clinical Microbiology and Infectious Diseases*, **1992**, 11, 432-7	5.3	19
114	The spectrum of beta-thalassaemia in Algeria: possible origins of the molecular heterogeneity and a tentative diagnostic strategy. *British Journal of Haematology*, **1993**, 84, 335-7	4.5	19
113	Long-term hydroxyurea treatment in young sickle cell patients. *Current Opinion in Hematology*, **1999**, 6, 115-20	3.3	19

112	Polymorphism in exon 10 of the human coagulation factor V gene in a population at risk for sickle cell disease. *Human Genetics*, **1997**, 100, 245-8	6.3	18
111	Nucleotide sequence evidence of the unicentric origin of the beta C mutation in Africa. *Human Genetics*, **1991**, 87, 597-601	6.3	18
110	Genomic imbalances detected by array-CGH in patients with syndromal ocular developmental anomalies. *European Journal of Human Genetics*, **2012**, 20, 527-33	5.3	17
109	Molecular basis of alpha-thalassemia in Algeria. *Hemoglobin*, **2008**, 32, 273-8	0.6	17
108	Decreased morbidity in homozygous sickle cell disease detected at birth. *Hemoglobin*, **2002**, 26, 211-7	0.6	17
107	The erythrocyte effects of haemoglobin O(ARAB). *British Journal of Haematology*, **1999**, 107, 516-21	4.5	17
106	Genotyping may provide rapid identification of Escherichia coli K1 organisms that cause neonatal meningitis. *Clinical Infectious Diseases*, **1996**, 22, 152-6	11.6	17
105	Fetal hemoglobin and F-cell responses to long-term hydroxyurea treatment in young sickle cell patients. The French Study Group on Sickle Cell Disease. *Blood*, **1998**, 91, 4472-9	2.2	17
104	Molecular basis of beta-thalassemia in Bahrain: an epicenter for a Middle East specific mutation. *Annals of the New York Academy of Sciences*, **1998**, 850, 407-9	6.5	16
103	A novel delta beta fusion gene expresses hemoglobin A (HbA) not Hb Lepore: Senegalese delta(0)beta(+) thalassemia. *Blood*, **2001**, 98, 1261-3	2.2	16
102	Characterization of a new polymorphism, IVS-I-108 (T-->C), and a new beta-thalassemia mutation, -27 (A-->T), discovered in the course of a prenatal diagnosis. *Hemoglobin*, **1999**, 23, 339-44	0.6	16
101	Complete sequence of the major outer membrane protein-encoding gene of Chlamydia trachomatis serovar Da. *Gene*, **1992**, 120, 129-30	3.8	16
100	Improve high-pressure liquid chromatographic separation of amino acid phenylthiohydantoins. *Journal of Chromatography A*, **1978**, 155, 436-438	4.5	16
99	Men with Sickle Cell Anemia and Priapism Exhibit Increased Hemolytic Rate, Decreased Red Blood Cell Deformability and Increased Red Blood Cell Aggregate Strength. *PLoS ONE*, **2016**, 11, e0154866	3.7	16
98	Effects of RANTES and MBL2 gene polymorphisms in sickle cell disease clinical outcomes: association of the g.In1.1T>C RANTES variant with protection against infections. *American Journal of Hematology*, **2009**, 84, 378-80	7.1	15
97	Dissection of the association status of two polymorphisms in the beta-globin gene cluster with variations in F-cell number in non-anemic individuals. *American Journal of Hematology*, **1997**, 56, 239-43	7.1	15
96	Angiotensinogen gene associated polymorphisms and risk of stroke in sickle cell anemia: Additional data supporting an association. *American Journal of Hematology*, **2004**, 76, 310-1	7.1	15
95	The phylogeography of mitochondrial DNA haplogroup L3g in Africa and the Atlantic slave trade. *American Journal of Human Genetics*, **2004**, 75, 522-4; author reply 524-6	11	15

94	A low rate of loss of heterozygosity is found at many different loci in childhood B-lineage acute lymphocytic leukemia. *Leukemia*, **1996**, 10, 1486-91	10.7	15
93	Unsuspected glucose-6-phosphate dehydrogenase deficiency presenting as symptomatic methemoglobinemia with severe hemolysis after fava bean ingestion in a 6-year-old boy. *International Journal of Hematology*, **2011**, 93, 664-666	2.3	14
92	An additional HpaII polymorphism in exon 2 of the human platelet membrane glycoprotein IIIa gene. *Human Genetics*, **1994**, 93, 353-4	6.3	14
91	An improved DNA-based identification of fetuses at risk for HPA-1a (PlA1) neonatal alloimmune thrombocytopenia. *British Journal of Haematology*, **1994**, 86, 198-200	4.5	14
90	A haplotype-linked four base pair deletion upstream of the A gamma globin gene coincides with decreased gene expression. *Human Genetics*, **1992**, 89, 625-8	6.3	14
89	Characterization of a proteolytically modified form of human prothorombin. *Biochemical and Biophysical Research Communications*, **1980**, 94, 660-6	3.4	14
88	Hydroxycarbamide stimulates the production of proinflammatory cytokines by endothelial cells: relevance to sickle cell disease. *Pharmacogenetics and Genomics*, **2010**, 20, 257-68	1.9	14
87	Strategy linking several analytical methods of neonatal screening for sickle cell disease. *Journal of Medical Screening*, **2001**, 8, 8-14	1.4	13
86	Molecular and structural analysis of two novel mutations in a patient with mut(-) methylmalonyl-CoA deficiency. *Molecular Genetics and Metabolism*, **2001**, 72, 181-4	3.7	13
85	Activation of prothrombin Barcelona. Evidence for active high molecular weight intermediates. *Biochimica Et Biophysica Acta - General Subjects*, **1979**, 584, 66-75	4	13
84	Isolation and characterization of the vitamin K dependent domain of human prothrombin. *Biochemical and Biophysical Research Communications*, **1981**, 103, 461-8	3.4	13
83	Molecular epidemiology unravels the complexity of neonatal Escherichia coli acquisition in twins. *Journal of Clinical Microbiology*, **1992**, 30, 1896-8	9.7	13
82	Effect of interleukin-8 and RANTES on the Gardos channel activity in sickle human red blood cells: role of the Duffy antigen receptor for chemokines. *Blood Cells, Molecules, and Diseases*, **2010**, 44, 219-23	2.1	12
81	Genetic variation among major human geographic groups supports a peculiar evolutionary trend in PAX9. *PLoS ONE*, **2011**, 6, e15656	3.7	11
80	WT1 splice site mutation in a 46,XX female with minimal-change nephrotic syndrome and Wilms' tumour. *Nephrology Dialysis Transplantation*, **2003**, 18, 823-5	4.3	11
79	Ca++ binding properties of human prothrombin. *Biochimie*, **1976**, 58, 391-4	4.6	11
78	Activation state of alpha4beta1 integrin on sickle red blood cells is linked to the duffy antigen receptor for chemokines (DARC) expression. *Journal of Biological Chemistry*, **2011**, 286, 3057-64	5.4	10
77	Sodium phenyl butyrate downregulates endothelin-1 expression in cultured human endothelial cells: relevance to sickle-cell disease. *American Journal of Hematology*, **2007**, 82, 357-62	7.1	10

76	Differences in DNase I sensitivity and methylation within the human beta-globin gene domain and correlation with expression. *FEBS Journal*, **1986**, 156, 123-9		10
75	Bases moléculaires et physiopathologiques des maladies de l'hémoglobine. *EMC - Hematologie*, **2005**, 2, 220-239		9
74	Clinical biological and genetic heterogeneity of the inborn errors of pulmonary surfactant metabolism. *Clinical Chemistry and Laboratory Medicine*, **2001**, 39, 90-108	5.9	9
73	Purification and partial characterization of a new variant of human prothrombin: prothrombin Metz. *FEBS Letters*, **1979**, 108, 287-91	3.8	9
72	Newborn Screening for Sickle Cell Disease in Europe. *International Journal of Neonatal Screening*, **2019**, 5, 15	2.6	8
71	Hydroxycarbamide modulates components involved in the regulation of adenosine levels in blood cells from sickle-cell anemia patients. *Annals of Hematology*, **2014**, 93, 1457-65	3	8
70	Iron overload in thalassaemias and genetic haemochromatosis. *European Journal of Haematology*, **2000**, 64, 279-80	3.8	8
69	Measurement of glycated albumin in diabetic patients by biospecific affinity chromatography. *Biomedical Applications*, **1987**, 419, 75-83		8
68	HLA-mismatched cord-blood transplantation in a patient with advanced leukemia. *Transplantation*, **1992**, 53, 1155-7	1.8	8
67	Systematic screening for fragile X syndrome in a cohort of 574 mentally retarded children. *Annales De Génétique*, **1997**, 40, 139-44		8
66	Ethnic heterogeneity of the factor XIII Val34Leu polymorphism. *Thrombosis and Haemostasis*, **2000**, 84, 601-3	7	8
65	Relationship between acute chest syndrome and the sympatho-vagal balance in adults with hemoglobin SS disease; a case control study. *Clinical Hemorheology and Microcirculation*, **2013**, 53, 231-8	2.5	7
64	Direct detection of verotoxin genes in stool samples by polymerase chain reaction in hemolytic uremic syndrome patients in France. *Clinical Microbiology and Infection*, **1997**, 3, 117-119	9.5	7
63	F reticulocytes assay: a method to evaluate fetal hemoglobin production. *Hemoglobin*, **1998**, 22, 419-25	0.6	7
62	Heterogeneous ethnic distribution of the factor v leiden mutation. *Genetics and Molecular Biology*, **1999**, 22, 143-145	2	7
61	Multiple recurrences and relapse of Streptococcus pneumoniae meningitis. *Lancet, The*, **1995**, 346, 311	40	7
60	Genomic fingerprinting of Yersinia enterocolitica species by degenerate oligonucleotide-primed polymerase chain reaction. *Electrophoresis*, **1994**, 15, 562-5	3.6	7
59	New insights into red cell rheology and adhesion in patients with sickle cell anaemia during vaso-occlusive crises. *British Journal of Haematology*, **2019**, 185, 991-994	4.5	7

58	New approach to accurate interpretation of sickle cell disease newborn screening by applying multiple of median cutoffs and ratios. *Pediatric Blood and Cancer*, **2018**, 65, e27230	3	7
57	Rearrangements of the beta-globin gene cluster in apparently typical betaS haplotypes. *Haematologica*, **2001**, 86, 142-5	6.6	7
56	Prior exposure of endothelial cells to hydroxycarbamide alters the flow dynamics and adhesion of sickle red blood cells. *Clinical Hemorheology and Microcirculation*, **2014**, 57, 9-22	2.5	6
55	Variants of the mannose-binding lectin gene in the Benin population: heterozygosity for the p.G57E allele may confer a selective advantage. 2007. *Human Biology*, **2009**, 81, 899-909	1.2	6
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