Philippe Joly

List of Publications by Year
in descending order

76 papers	1,392 citations	361045 20 h-index	395343 33 g-index
79 all docs	79 docs citations	79 times ranked	1522 citing authors

#	Article	IF	Citations
1	Blood Rheology: Key Parameters, Impact on Blood Flow, Role in Sickle Cell Disease and Effects of Exercise. Frontiers in Physiology, 2019, 10, 1329.	1.3	210
2	Impact of COVIDâ€19 on red blood cell rheology. British Journal of Haematology, 2021, 192, e108-e111.	1.2	65
3	The XmnI Gî³ polymorphism influences hemoglobin F synthesis contrary to BCL11A and HBS1L-MYB SNPs in a cohort of 57 î²-thalassemia intermedia patients. Blood Cells, Molecules, and Diseases, 2010, 45, 124-127.	0.6	55
4	Impact of surface-area-to-volume ratio, internal viscosity and membrane viscoelasticity on red blood cell deformability measured in isotonic condition. Scientific Reports, 2019, 9, 6771.	1.6	47
5	A genetic score for the prediction of beta-thalassemia severity. Haematologica, 2015, 100, 452-457.	1.7	45
6	Increased blood viscosity and red blood cell aggregation in patients with COVIDâ€19. American Journal of Hematology, 2022, 97, 283-292.	2.0	45
7	Blood rheological abnormalities in sickle cell anemia. Clinical Hemorheology and Microcirculation, 2018, 68, 165-172.	0.9	38
8	Hydroxyurea therapy modulates sickle cell anemia red blood cell physiology: Impact on RBC deformability, oxidative stress, nitrite levels and nitric oxide synthase signalling pathway. Nitric Oxide - Biology and Chemistry, 2018, 81, 28-35.	1.2	36
9	<scp>G</scp>6<scp>PD</scp> deficiency and absence of Î±â€thalassemia increase the risk for cerebral vasculopathy in children with sickle cell anemia. European Journal of Haematology, 2016, 96, 404-408.	1.1	35
10	Liver disease related to alpha1â€antitrypsin deficiency in French children: The DEFIâ€ALPHA cohort. Liver International, 2019, 39, 1136-1146.	1.9	34
11	Association Between Nitric Oxide, Oxidative Stress, Eryptosis, Red Blood Cell Microparticles, and Vascular Function in Sickle Cell Anemia. Frontiers in Immunology, 2020, 11, 551441.	2.2	33
12	Effect of Age on Blood Rheology in Sickle Cell Anaemia and Sickle Cell Haemoglobin C Disease: A Cross-Sectional Study. PLoS ONE, 2016, 11, e0158182.	1.1	31
13	Alphaâ€thalassaemia promotes frequent vasoâ€occlusive crises in children with sickle cell anaemia through haemorheological changes. Pediatric Blood and Cancer, 2017, 64, e26455.	0.8	30
14	Importance of methodological standardization for the ektacytometric measures of red blood cell deformability in sickle cell anemia. Clinical Hemorheology and Microcirculation, 2016, 62, 173-179.	0.9	29
15	Clonal hematopoiesis in sickle cell disease. Blood, 2021, 138, 2148-2152.	0.6	29
16	Clinical heterogeneity and potential high pathogenicity of the Mmalton Alpha 1 antitrypsin allele at the homozygous, compound heterozygous and heterozygous states. Orphanet Journal of Rare Diseases, 2015, 10, 130.	1.2	28
17	Rapid and reliable Î²-globin gene cluster haplotyping of sickle cell disease patients by FRET Light Cycler and HRM assays. Clinica Chimica Acta, 2011, 412, 1257-1261.	0.5	24
18	Identification and molecular characterization of four new large deletions in the Î²-globin gene cluster. Blood Cells, Molecules, and Diseases, 2009, 43, 53-57.	0.6	23

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19	Increased Prevalence of Type 2 Diabetesâ€“Related Complications in Combined Type 2 Diabetes and Sickle Cell Trait. Diabetes Care, 2018, 41, 2595-2602.	4.3	23
20	Genotypic screening of the main opiateâ€related polymorphisms in a cohort of 139 sickle cell disease patients. American Journal of Hematology, 2012, 87, 534-536.	2.0	21
21	Inflammatory and oxidative stress phenotypes in transgenic sickle cell mice. Blood Cells, Molecules, and Diseases, 2016, 62, 13-21.	0.6	21
22	ERAD defects and the HFE-H63D variant are associated with increased risk of liver damages in Alpha 1-Antitrypsin Deficiency. PLoS ONE, 2017, 12, e0179369.	1.1	21
23	Association between Oxidative Stress, Genetic Factors, and Clinical Severity in Children with Sickle Cell Anemia. Journal of Pediatrics, 2018, 195, 228-235.	0.9	21
24	Oxygen gradient ektacytometryâ€derived biomarkers are associated with vasoâ€occlusive crises and correlate with treatment response in sickle cell disease. American Journal of Hematology, 2021, 96, E29-E32.	2.0	21
25	Phenotype determination of hemoglobinopathies by mass spectrometry. Clinical Biochemistry, 2009, 42, 1807-1817.	0.8	19
26	Massive haemolysis and methaemalbuminaemia in a patient with decompensated haemoglobin <scp>H</scp> disease. British Journal of Haematology, 2013, 163, 2-2.	1.2	19
27	Description of 22 new alpha-1 antitrypsin genetic variants. Orphanet Journal of Rare Diseases, 2018, 13, 161.	1.2	19
28	Assessment of liver fibrosis by transient elastography (FibroscanÂ®) in patients with A1AT deficiency. Clinics and Research in Hepatology and Gastroenterology, 2019, 43, 77-81.	0.7	19
29	Mechanical Signature of Red Blood Cells Flowing Out of a Microfluidic Constriction Is Impacted by Membrane Elasticity, Cell Surface-to-Volume Ratio and Diseases. Frontiers in Physiology, 2020, 11, 576.	1.3	19
30	The alphaâ€globin genotype does not influence sickle cell disease severity in a retrospective crossâ€validation study of the pediatric severity score. European Journal of Haematology, 2012, 88, 61-67.	1.1	18
31	Methodological aspects of the oxygenscan in sickle cell disease: A need for standardization. American Journal of Hematology, 2020, 95, E5-E8.	2.0	18
32	Rapid genotyping of two common G6PD variants, African (A-) and Mediterranean, by high-resolution melting analysis. Clinical Biochemistry, 2010, 43, 193-197.	0.8	17
33	Plasmapheresis may improve clinical condition in sickle cell disease through its effects on red blood cell rheology. American Journal of Hematology, 2017, 92, E629-E630.	2.0	16
34	Impact of a 10Âkm running trial on eryptosis, red blood cell rheology, and electrophysiology in endurance trained athletes: a pilot study. European Journal of Applied Physiology, 2020, 120, 255-266.	1.2	14
35	Effect of acute exercise on RBC deformability and RBC nitric oxide synthase signalling pathway in young sickle cell anaemia patients. Scientific Reports, 2019, 9, 11813.	1.6	13
36	Genetic Background of the Sickle Cell Disease Pediatric Population of Dakar, Senegal, and Characterization of a Novel Frameshift Î²-Thalassemia Mutation [HBB: c.265_266del; p.Leu89Glufs*2]. Hemoglobin, 2017, 41, 89-95.	0.4	12

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37	Evaluation of agreement between hemoglobin A1c, fasting glucose, and fructosamine in Senegalese individuals with and without sickle-cell trait. PLoS ONE, 2019, 14, e0212552.	1.1	12
38	Characterization of three new deletions in the Î²-globin gene cluster during a screening survey in two French urban areas. Clinica Chimica Acta, 2013, 415, 35-40.	0.5	10
39	Effects of Genotypes and Treatment on Oxygenscan Parameters in Sickle Cell Disease. Cells, 2021, 10, 811.	1.8	10
40	Methodological aspects of oxygen gradient ektacytometry in sickle cell disease: Effects of sample storage on outcome parameters in distinct patient subgroups. Clinical Hemorheology and Microcirculation, 2021, 77, 391-394.	0.9	10
41	<scp>SERPINA</scp>1 and <scp>MAN</scp>1B1 polymorphisms are not linked to severe liver disease in a French cohort of alphaâ€1 antitrypsin deficiency children. Liver International, 2017, 37, 1608-1611.	1.9	9
42	Hypermethylation of 28S ribosomal RNA in Î²-thalassemia trait carriers. International Journal of Biological Macromolecules, 2017, 94, 728-734.	3.6	9
43	A Novel Deletion/Insertion Caused by a Replication Error in the Î²-Globin Gene Locus Control Region. Hemoglobin, 2011, 35, 316-322.	0.4	8
44	UGT1A1 (TA)n genotyping in sickle-cell disease: High resolution melting (HRM) curve analysis or direct sequencing, what is the best way?. Clinica Chimica Acta, 2013, 424, 258-260.	0.5	8
45	Receptor for Advanced Glycation End Products Antagonism Blunts Kidney Damage in Transgenic Townes Sickle Mice. Frontiers in Physiology, 2019, 10, 880.	1.3	8
46	Genetic Background of Î²-Thalassemia in Northeast Algeria with Assessment of the Thalassemia Severity Score and Description of a new Î²⁰-Thalassemia Frameshift Mutation (HBB: c.374dup;) Tj ETQq0 0 0 rgBT /Overlock	0.4	8
47	Sialic acids rather than glycosaminoglycans affect normal and sickle red blood cell rheology by binding to four major sites on fibrinogen. American Journal of Hematology, 2020, 95, E77-E80.	2.0	8
48	A novel telomeric (Â285 kb) Â-thalassemia deletion leading to a phenotypically unusual HbH disease. Haematologica, 2010, 95, 850-851.	1.7	7
49	Genetic modulators of sickle cell disease in French Guiana: Markers of the slave trade. American Journal of Human Biology, 2016, 28, 811-816.	0.8	7
50	<scp>UGT</scp>1A1 (<scp>TA</scp>)_n genotype is not the major risk factor of cholelithiasis in sickle cell disease children. European Journal of Haematology, 2017, 98, 296-301.	1.1	7
51	Impact of Trail Running Races on Blood Viscosity and Its Determinants: Effects of Distance. International Journal of Molecular Sciences, 2020, 21, 8531.	1.8	7
52	Analytical interference of 33 different hemoglobin variants on HbA1c measurements comparing high-performance liquid chromatography with whole blood enzymatic assay: A multi-center study. Clinica Chimica Acta, 2022, 531, 145-151.	0.5	7
53	HBB loss of heterozygosity in the hemopoietic lineage gives rise to an unusual sickle-cell trait phenotype. Haematologica, 2013, 98, e7-e8.	1.7	6
54	Molecular characterization of 7 new alpha-1 anti-trypsin (A1AT) variants including two with an associated deficient phenotype. Clinica Chimica Acta, 2014, 427, 21-22.	0.5	6

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55	Blood rheology in children with the S/Î²+-thalassemia syndrome. Clinical Hemorheology and Microcirculation, 2018, 69, 207-214.	0.9	6
56	Combined and differential effects of alphaâ€thalassemia and HbFâ€quantitative trait loci in Senegalese hydroxyureaâ€free children with sickle cell anemia. Pediatric Blood and Cancer, 2019, 66, e27934.	0.8	6
57	Impact of A Six Week Training Program on Ventilatory Efficiency, Red Blood Cell Rheological Parameters and Red Blood Cell Nitric Oxide Signaling in Young Sickle Cell Anemia Patients: A Pilot Study. Journal of Clinical Medicine, 2019, 8, 2155.	1.0	5
58	Is Skeletal Muscle Dysfunction a Limiting Factor of Exercise Functional Capacity in Patients with Sickle Cell Disease?. Journal of Clinical Medicine, 2021, 10, 2250.	1.0	5
59	Nocturnal Hypoxemia Rather Than Obstructive Sleep Apnea Is Associated With Decreased Red Blood Cell Deformability and Enhanced Hemolysis in Patients With Sickle Cell Disease. Frontiers in Physiology, 2021, 12, 743399.	1.3	5
60	Multiparametric characterization of red blood cell physiology after hypotonic dialysis based drug encapsulation process. Acta Pharmaceutica Sinica B, 2021, , .	5.7	4
61	Protein characterization by LCâ€“MS/MS may be required for the DNA identification of a fusion hemoglobin: The example of Hb P-Nilotic. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 883-884, 172-176.	1.2	3
62	A late onset sickle cell disease reveals a mosaic segmental uniparental isodisomy of chromosome 11p15. Blood Cells, Molecules, and Diseases, 2015, 54, 53-55.	0.6	3
63	Differential effects of adenylyl cyclase-protein kinase A cascade on shear-induced changes of sickle cell deformability. Clinical Hemorheology and Microcirculation, 2020, 73, 531-543.	0.9	3
64	Influence of Oxidative Stress Biomarkers and Genetic Polymorphisms on the Clinical Severity of Hydroxyurea-Free Senegalese Children with Sickle Cell Anemia. Antioxidants, 2020, 9, 863.	2.2	3
65	Goal-Oriented Monitoring of Cyclosporine Is Effective for Graft-versus-Host Disease Prevention after Hematopoietic Stem Cell Transplantation in Sickle Cell Disease and Thalassemia Major. Biology of Blood and Marrow Transplantation, 2020, 26, 2285-2291.	2.0	3
66	Comparisons of oxygen gradient ektacytometry parameters between sickle cell patients with or without Î±â€thalassaemia. British Journal of Haematology, 2021, 195, 629-633.	1.2	3
67	Shear-Stress-Gradient and Oxygen-Gradient Ektacytometry in Sickle Cell Patients at Steady State and during Vaso-Occlusive Crises. Cells, 2022, 11, 585.	1.8	3
68	Severe Î²-Thalassemia Intermedia in a Compound Heterozygous Patient for the â^'30 (T>A) Î²⁺-Thalassemia Mutation and the Î´⁰Î²⁺-Senegalese Deletion. Hemoglobin, 2010, 34, 505-508.	0.4	2
69	A Particular SORL1 Micro-haplotype May Prevent Severe Liver Disease in a French Cohort of Alpha 1-Antitrypsin-deficient Children. Journal of Pediatric Gastroenterology and Nutrition, 2021, 73, e68-e72.	0.9	2
70	HbF-promoting polymorphisms may specifically reduce the residual risk of cerebral vasculopathy in SCA children with alpha-thalassemia. Clinical Hemorheology and Microcirculation, 2021, 77, 267-272.	0.9	2
71	Priming With Red Blood Cells Allows Red Blood Cell Exchange for Sickle Cell Disease in Low-Weight Children. Frontiers in Medicine, 2021, 8, 743483.	1.2	2
72	Description of Three NewÎ±Variants and Four NewÎ²Variants: Hb Montluel [Î±110(G17)Alaâ€‰â†'â€‰Val;HBA1: c.332Câ€‰>â€‰T], Hb Cap dâ€™Agde [Î±131(H14)Serâ€‰â†'â€‰ c.395Câ€‰>â€‰G] and Hb Corsica [Î±100(G7)Leuâ€‰â†'â€‰Pro;HBA1: 302Tâ€‰>â€‰C]; Hb NÃ®mes [Î²104(G6)Argâ€‰â†'â€‰Gly;HBB: c.313Aâ€‰>â€‰G], Hb Saint Marcellin [Î²112(G14)Cysâ€‰â†'â€‰C c.337Tâ€‰>â€‰G], Hb Saint Chamond [Î²80(EF4)Asnâ€‰â†'â€‰0;HBB: c.241_243delAAC] and Hb Dompierre		

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73	Drepa-Opia: A Pilot Study to Determine the Predictive Factors of Morphine Use and Consumption in Hospitalized Adult Patients with Sickle Cell Disease. Hemoglobin, 2018, 42, 217-224.	0.4	1
74	The Oxygenscan Provides Clinically Relevant Biomarkers for Treatment Efficacy That Are Associated with Frequency of Vaso-Occlusive Crisis in Sickle Cell Disease. Blood, 2019, 134, 2275-2275.	0.6	0
75	Oxygen Gradient Ektacytometry-Derived Biomarkers Are Associated with the Occurrence of Cerebral Infarction, Acute Chest Syndrome and Vaso-Occlusive Crisis in Sickle Cell Disease. Blood, 2020, 136, 20-21.	0.6	0
76	Determinants of the point of sickling measured by oxygen gradient ektacytometry in sickle cell anaemia. British Journal of Haematology, 2022, , .	1.2	0