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	Determinants of the point of sickling measured by oxygen gradient ektacytometry in sickle cell anaemia. British Journal of Haematology, 2022, , .	1.2	0
2	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
3	Increased blood viscosity and red blood cell aggregation in patients with COVIDâ€19. American Journal of Hematology, 2022, 97, 283-292.	2.0	45
4	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
5	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
6	Impact of COVIDâ€19 on red blood cell rheology. British Journal of Haematology, 2021, 192, e108-e111.	1.2	65
7	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
8	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
9	Effects of Genotypes and Treatment on Oxygenscan Parameters in Sickle Cell Disease. Cells, 2021, 10, 811.	1.8	10
10	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
11	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
12	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
13	Clonal hematopoiesis in sickle cell disease. Blood, 2021, 138, 2148-2152.	0.6	29
14	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
15	Multiparametric characterization of red blood cell physiology after hypotonic dialysis based drug encapsulation process. Acta Pharmaceutica Sinica B, 2021, , .	5.7	4
16	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
17	Methodological aspects of the oxygenscan in sickle cell disease: A need for standardization. American Journal of Hematology, 2020, 95, E5-E8.	2.0	18
18	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

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	Receptor for Advanced Glycation End Products Antagonism Blunts Kidney Damage in Transgenic Townes Sickle Mice. Frontiers in Physiology, 2019, 10, 880.	1.3	8
30	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
31	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
32	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
33	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
34	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
35	Liver disease related to alpha1â€antitrypsin deficiency in French children: The DEFIâ€ALPHA cohort. Liver International, 2019, 39, 1136-1146.	1.9	34
36	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

#	Article	IF	Citations
37	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
38	Blood rheological abnormalities in sickle cell anemia. Clinical Hemorheology and Microcirculation, 2018, 68, 165-172.	0.9	38
39	Blood rheology in children with the S/Î²+-thalassemia syndrome. Clinical Hemorheology and Microcirculation, 2018, 69, 207-214.	0.9	6
40	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
41	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
42	Description of 22 new alpha-1 antitrypsin genetic variants. Orphanet Journal of Rare Diseases, 2018, 13, 161.	1.2	19
43	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
44	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
45	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
46	<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
47	<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
48	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
49	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
50	Hypermethylation of 28S ribosomal RNA in Î²-thalassemia trait carriers. International Journal of Biological Macromolecules, 2017, 94, 728-734.	3.6	9
51	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
52	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
53	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
54	<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

#	Article	IF	Citations
55	Inflammatory and oxidative stress phenotypes in transgenic sickle cell mice. Blood Cells, Molecules, and Diseases, 2016, 62, 13-21.	0.6	21
56	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
57	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
58	A genetic score for the prediction of beta-thalassemia severity. Haematologica, 2015, 100, 452-457.	1.7	45
59	Description of Three New Î± Variants and Four New Î² Variants: Hb Marchal [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.337Tâ€‰>â€‰G], Hb Saint Chamond [Î²80(EF4)Asnâ€‰â†’â€‰0;HBB: c.241_243delAAC] and Hb Dompierre		

#	Article	IF	Citations
73	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
74	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
75	Phenotype determination of hemoglobinopathies by mass spectrometry. Clinical Biochemistry, 2009, 42, 1807-1817.	0.8	19
76	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