Stephen Colin Rogers

List of Publications by Year
in descending order

26 papers	749 citations	759233 12 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	993 citing authors

#	Article	IF	Citations
1	Probing singleâ€cell oxygen reserve in sickled erythrocytes via in vivo photoacoustic microscopy. American Journal of Hematology, 2022, 97, .	4.1	3
2	Quantifying dynamic range in red blood cell energetics: Evidence of progressive energy failure during storage. Transfusion, 2021, 61, 1586-1599.	1.6	21
3	The interactome of the N-terminus of band 3 regulates red blood cell metabolism and storage quality. Haematologica, 2021, 106, 2971-2985.	3.5	40
4	Red Blood Cell and Endothelial eNOS Independently Regulate Circulating Nitric Oxide Metabolites and Blood Pressure. Circulation, 2021, 144, 870-889.	1.6	85
5	A clickable probe for versatile characterization of S-nitrosothiols. Redox Biology, 2020, 37, 101707.	9.0	11
6	An Equity Lens for Identifying and Addressing Social Needs Within Pediatric Value-Based Care. Pediatrics, 2020, 146, e20200320.	2.1	4
7	You're only as old as you feel: Age is not just a number. Transfusion, 2020, 60, 2464-2465.	1.6	1
8	Red Blood Cell Dysfunction in Critical Illness. Critical Care Clinics, 2020, 36, 267-292.	2.6	8
9	A pilot study on the kinetics of metabolites and microvascular cutaneous effects of nitric oxide inhalation in healthy volunteers. PLoS ONE, 2019, 14, e0221777.	2.5	5
10	Effect of plasma processing and storage on microparticle abundance, nitric oxide scavenging, and vasoactivity. Transfusion, 2019, 59, 1568-1577.	1.6	8
11	Hypoxia modulates the purine salvage pathway and decreases red blood cell and supernatant levels of hypoxanthine during refrigerated storage. Haematologica, 2018, 103, 361-372.	3.5	131
12	Red blood cell phenotype fidelity following glycerol cryopreservation optimized for research purposes. PLoS ONE, 2018, 13, e0209201.	2.5	25
13	Experimental assessment of oxygen homeostasis during acute hemodilution: the integrated role of hemoglobin concentration and blood pressure. Intensive Care Medicine Experimental, 2017, 5, 12.	1.9	8
14	Physiologic Impact of Circulating RBC Microparticles upon Blood-Vascular Interactions. Frontiers in Physiology, 2017, 8, 1120.	2.8	63
15	Modulating Vascular Hemodynamics With an Alpha Globin Mimetic Peptide (HbÎ±X). Hypertension, 2016, 68, 1494-1503.	2.7	26
16	Red cell physiology and signaling relevant to the critical care setting. Current Opinion in Pediatrics, 2015, 27, 267-276.	2.0	9
17	Hematologic Disorders. Oxidative Stress in Applied Basic Research and Clinical Practice, 2014, , 349-369.	0.4	0
18	Analysis of S-nitrosothiols via copper cysteine (2C) and copper cysteine â€“ Carbon monoxide (3C) methods. Methods, 2013, 62, 123-129.	3.8	6

#	Article	IF	Citations
19	Sickle hemoglobin disturbs normal coupling among erythrocyte O2 content, glycolysis, and antioxidant capacity. Blood, 2013, 121, 1651-1662.	1.4	66
20	Direct formation of thienopyridine-derived nitrosothiols â€" Just add nitrite!. European Journal of Pharmacology, 2011, 670, 534-540.	3.5	9
21	Hypoxia limits antioxidant capacity in red blood cells by altering glycolytic pathway dominance. FASEB Journal, 2009, 23, 3159-3170.	0.5	75
22	Haemoglobin Saturation Controls The Red Blood Cell Mediated Hypoxic Vasorelaxation. Advances in Experimental Medicine and Biology, 2009, 645, 13-20.	1.6	9
23	Blood Vessel Specific Vaso-Activity To Nitrite Under Normoxic And Hypoxic Conditions. Advances in Experimental Medicine and Biology, 2009, 645, 21-25.	1.6	9
24	The Measurement of Nitric Oxide and Its Metabolites in Biological Samples by Ozone-Based Chemiluminescence. Methods in Molecular Biology, 2008, 476, 10-27.	0.9	38
25	NO metabolite flux across the human coronary circulation. Cardiovascular Research, 2007, 75, 434-441.	3.8	20
26	Detection of Human Red Blood Cell-bound Nitric Oxide. Journal of Biological Chemistry, 2005, 280, 26720-26728.	3.4	69