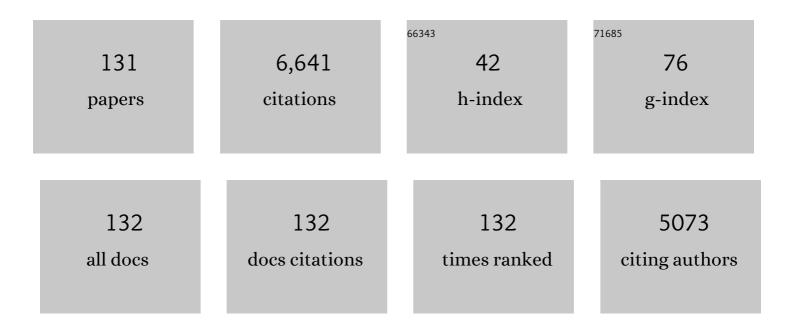
List of Publications by Year in descending order

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ARDILLALAVASH

#	Article	IF	CITATIONS
1	Hemolysis and free hemoglobin revisited: exploring hemoglobin and hemin scavengers as a novel class of therapeutic proteins. Blood, 2013, 121, 1276-1284.	1.4	582
2	Heme triggers TLR4 signaling leading to endothelial cell activation and vaso-occlusion in murine sickle cell disease. Blood, 2014, 123, 377-390.	1.4	555
3	Oxygen therapeutics: can we tame haemoglobin?. Nature Reviews Drug Discovery, 2004, 3, 152-159.	46.4	269
4	CD163 is the macrophage scavenger receptor for native and chemically modified hemoglobins in the absence of haptoglobin. Blood, 2006, 107, 373-380.	1.4	248
5	Redox Reactions of Hemoglobin and Myoglobin: Biological and Toxicological Implications. Antioxidants and Redox Signaling, 2001, 3, 313-327.	5.4	223
6	Hemoglobin-based blood substitutes: oxygen carriers, pressor agents, or oxidants?. Nature Biotechnology, 1999, 17, 545-549.	17.5	213
7	Haptoglobin preserves the CD163 hemoglobin scavenger pathway by shielding hemoglobin from peroxidative modification. Blood, 2009, 113, 2578-2586.	1.4	169
8	Sequestration of extracellular hemoglobin within a haptoglobin complex decreases its hypertensive and oxidative effects in dogs and guinea pigs. Journal of Clinical Investigation, 2009, 119, 2271-80.	8.2	156
9	Blood substitutes: why haven't we been more successful?. Trends in Biotechnology, 2014, 32, 177-185.	9.3	142
10	Structural Basis of Peroxide-mediated Changes in Human Hemoglobin. Journal of Biological Chemistry, 2007, 282, 4894-4907.	3.4	134
11	Site-Specific Cross-Linking of Human and Bovine Hemoglobins Differentially Alters Oxygen Binding and Redox Side Reactions Producing Rhombic Heme and Heme Degradationâ€. Biochemistry, 2002, 41, 7407-7415.	2.5	112
12	Toxicities of hemoglobin solutions: in search of in-vitro and in-vivo model systems. Transfusion, 2004, 44, 1516-1530.	1.6	93
13	Ascorbate removes key precursors to oxidative damage by cell-free haemoglobin in vitro and in vivo. Biochemical Journal, 2006, 399, 513-524.	3.7	92
14	Gating the Radical Hemoglobin to Macrophages: The Anti-Inflammatory Role of CD163, a Scavenger Receptor. Antioxidants and Redox Signaling, 2007, 9, 991-999.	5.4	87
15	Haptoglobin: Old protein with new functions. Clinica Chimica Acta, 2011, 412, 493-498.	1.1	87
16	Effects of Endogenous Ascorbate on Oxidation, Oxygenation, and Toxicokinetics of Cell-Free Modified Hemoglobin after Exchange Transfusion in Rat and Guinea Pig. Journal of Pharmacology and Experimental Therapeutics, 2007, 323, 49-60.	2.5	86
17	Determination of extinction coefficients of human hemoglobin in various redox states. Analytical Biochemistry, 2017, 521, 11-19.	2.4	84
18	Peroxynitrite-Mediated Heme Oxidation and Protein Modification of Native and Chemically Modified Hemoglobins. Archives of Biochemistry and Biophysics, 1998, 349, 65-73.	3.0	83

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19	Effects of polymerization on the hypertensive action of diaspirin cross-linked hemoglobin in rats. Translational Research, 1997, 129, 603-610.	2.3	82
20	Reactions of Sperm Whale Myoglobin with Hydrogen Peroxide. Journal of Biological Chemistry, 1999, 274, 2029-2037.	3.4	78
21	Redox cycling of diaspirin cross-linked hemoglobin induces G2/M arrest and apoptosis in cultured endothelial cells. Blood, 2001, 98, 3315-3323.	1.4	77
22	Structural and Functional Characterization of Glutaraldehyde-Polymerized Bovine Hemoglobin and Its Isolated Fractions. Analytical Chemistry, 2005, 77, 3466-3478.	6.5	72
23	Effects of Glutaraldehyde Polymerization on Oxygen Transport and Redox Properties of Bovine Hemoglobin. Archives of Biochemistry and Biophysics, 2001, 391, 225-234.	3.0	71
24	Haptoglobin Binding Stabilizes Hemoglobin Ferryl Iron and the Globin Radical on Tyrosine β145. Antioxidants and Redox Signaling, 2013, 18, 2264-2273.	5.4	71
25	Haptoglobin: the hemoglobin detoxifier in plasma. Trends in Biotechnology, 2013, 31, 2-3.	9.3	69
26	The reaction of hydrogen peroxide with hemoglobin induces extensive α-globin crosslinking and impairs the interaction of hemoglobin with endogenous scavenger pathways. Free Radical Biology and Medicine, 2008, 45, 1150-1158.	2.9	66
27	Peroxidase activity of hemoglobin towards ascorbate and urate: A synergistic protective strategy against toxicity of Hemoglobin-Based Oxygen Carriers (HBOC). Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 1415-1420.	2.3	62
28	Mechanisms of Toxicity and Modulation of Hemoglobin-based Oxygen Carriers. Shock, 2019, 52, 41-49.	2.1	62
29	Haptoglobin Binding Stabilizes Hemoglobin Ferryl Iron and the Globin Radical on Tyrosine β145. Antioxidants and Redox Signaling, 2013, 18, 2264-2273.	5.4	62
30	Hemoglobin and free radicals: implications for the development of a safe blood substitute. Trends in Molecular Medicine, 1995, 1, 122-127.	2.6	61
31	Differential heme release from various hemoglobin redox states and the upregulation of cellular heme oxygenaseâ€1. FEBS Open Bio, 2016, 6, 876-884.	2.3	56
32	All hemoglobin-based oxygen carriers are not created equally. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 1378-1381.	2.3	54
33	Molecular Controls of the Oxygenation and Redox Reactions of Hemoglobin. Antioxidants and Redox Signaling, 2013, 18, 2298-2313.	5.4	54
34	Redox properties of human hemoglobin in complex with fractionated dimeric and polymeric human haptoglobin. Free Radical Biology and Medicine, 2014, 69, 265-277.	2.9	54
35	Site-specific modifications and toxicity of blood substitutes. Advanced Drug Delivery Reviews, 2000, 40, 199-212.	13.7	50
36	Comprehensive Biochemical and Biophysical Characterization of Hemoglobin-Based Oxygen Carrier Therapeutics: All HBOCs Are Not Created Equally. Bioconjugate Chemistry, 2018, 29, 1560-1575.	3.6	50

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37	Clearance and Control Mechanisms of Hemoglobin from Cradle to Grave. Antioxidants and Redox Signaling, 2010, 12, 181-184.	5.4	49
38	Hemoglobin oxidation–dependent reactions promote interactions with band 3 and oxidative changes in sickle cell–derived microparticles. JCI Insight, 2018, 3, .	5.0	48
39	Hemoglobin-based blood substitutes and the hazards of blood radicals. Free Radical Research, 2000, 33, 341-348.	3.3	46
40	Setbacks in Blood Substitutes Research and Development: AÂBiochemical Perspective. Clinics in Laboratory Medicine, 2010, 30, 381-389.	1.4	46
41	Consequences of chemical modifications on the free radical reactions of human hemoglobin. Archives of Biochemistry and Biophysics, 1992, 298, 114-120.	3.0	44
42	Differential susceptibilities of the prosthetic heme of hemoglobin-based red cell substitutes. Biochemical Pharmacology, 1993, 46, 2299-2305.	4.4	43
43	Redox Biology of Blood Revisited: The Role of Red Blood Cells in Maintaining Circulatory Reductive Capacity. Antioxidants and Redox Signaling, 2005, 7, 1755-1760.	5.4	43
44	First-generation blood substitutes: what have we learned? Biochemical and physiological perspectives. Expert Opinion on Biological Therapy, 2007, 7, 665-675.	3.1	43
45	Structural Stabilization in Tetrameric or Polymeric Hemoglobin Determines Its Interaction with Endogenous Antioxidant Scavenger Pathways. Antioxidants and Redox Signaling, 2008, 10, 1449-1462.	5.4	43
46	Sickle Cell Hemoglobin in the Ferryl State Promotes βCys-93 Oxidation and Mitochondrial Dysfunction in Epithelial Lung Cells (E10). Journal of Biological Chemistry, 2015, 290, 27939-27958.	3.4	42
47	Hemoglobin-Based Blood Substitutes and the Treatment of Sickle Cell Disease: More Harm than Help?. Biomolecules, 2017, 7, 2.	4.0	41
48	Acellular hemoglobin-mediated oxidative stress toward endothelium: a role for ferryl iron. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 275, H1046-H1053.	3.2	40
49	Haptoglobin attenuates hemoglobin-induced heme oxygenase-1 in renal proximal tubule cells and kidneys of a mouse model of sickle cell disease. Blood Cells, Molecules, and Diseases, 2015, 54, 302-306.	1.4	40
50	Oxidative pathways in the sickle cell and beyond. Blood Cells, Molecules, and Diseases, 2018, 70, 78-86.	1.4	39
51	O-raffinose crosslinked hemoglobin lacks site-specific chemistry in the central cavity: Structural and functional consequences of β93Cys modification. Proteins: Structure, Function and Bioinformatics, 2005, 59, 840-855.	2.6	38
52	Dissecting the biochemical architecture and morphological release pathways of the human platelet extracellular vesiculome. Cellular and Molecular Life Sciences, 2018, 75, 3781-3801.	5.4	38
53	Oxygen binding and oxidation reactions of human hemoglobin conjugated to carboxylate dextran. Biochimica Et Biophysica Acta - General Subjects, 2004, 1672, 164-173.	2.4	37
54	Oxidized Ferric and Ferryl Forms of Hemoglobin Trigger Mitochondrial Dysfunction and Injury in Alveolar Type I Cells. American Journal of Respiratory Cell and Molecular Biology, 2016, 55, 288-298.	2.9	36

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55	Blood Aging, Safety, and Transfusion: Capturing the "Radical―Menace. Antioxidants and Redox Signaling, 2011, 14, 1713-1728.	5.4	35
56	Cardiovascular and hemorheological effects of three modified human hemoglobin solutions in hemodiluted rabbits. Journal of Applied Physiology, 1999, 86, 541-548.	2.5	34
57	A role for the myoglobin redox cycle in the induction of endothelial cell apoptosis. Free Radical Biology and Medicine, 2002, 33, 1153-1164.	2.9	34
58	Haptoglobin alters oxygenation and oxidation of hemoglobin and decreases propagation of peroxide-induced oxidative reactions. Free Radical Biology and Medicine, 2012, 53, 1317-1326.	2.9	34
59	Characterization of heme binding to recombinant α1-microglobulin. Frontiers in Physiology, 2014, 5, 465.	2.8	34
60	Interactions of hemoglobin with hydrogen peroxide alters thiol levels and course of endothelial cell death. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H1880-H1889.	3.2	33
61	Dissection of the radical reactions linked to fetal hemoglobin reveals enhanced pseudoperoxidase activity. Frontiers in Physiology, 2015, 6, 39.	2.8	33
62	Effects of hypoxia and glutathione depletion on hemoglobin- and myoglobin-mediated oxidative stress toward endothelium1The opinions and assertions contained herein are the scientific views of the authors and are not to be construed as policy of the United States Food and Drug Administration or the United States Army.1. Biochimica Et Biophysica Acta - Molecular Cell Research, 2000, 1495, 150-159.	4.1	31
63	OXIDATIVE MECHANISMS OF HEMOGLOBIN-BASED BLOOD SUBSTITUTES*. Artificial Cells, Blood Substitutes, and Biotechnology, 2001, 29, 415-425.	0.9	29
64	α-Hemoglobin Stabilizing Protein (AHSP) Markedly Decreases the Redox Potential and Reactivity of α-Subunits of Human HbA with Hydrogen Peroxide. Journal of Biological Chemistry, 2013, 288, 4288-4298.	3.4	29
65	Post-translational Transformation of Methionine to Aspartate Is Catalyzed by Heme Iron and Driven by Peroxide. Journal of Biological Chemistry, 2014, 289, 22342-22357.	3.4	29
66	Effect of nitric oxide and nitric oxide donors on red blood cell oxygen transport. British Journal of Haematology, 2000, 110, 412-419.	2.5	28
67	Effects of cross-linking and zero-link polymerization on oxygen transport and redox chemistry of bovine hemoglobin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 1234-1242.	2.3	28
68	Redox Reactions of Hemoglobin: Mechanisms of Toxicity and Control. Antioxidants and Redox Signaling, 2013, 18, 2251-2253.	5.4	28
69	Effects of polymerization on the oxygen carrying and redox properties of diaspirin cross-linked hemoglobin. BBA - Proteins and Proteomics, 1995, 1248, 135-142.	2.1	27
70	Cross-linking with O-raffinose lowers oxygen affinity and stabilizes haemoglobin in a non-cooperative T-state conformation. Biochemical Journal, 2004, 384, 367-375.	3.7	27
71	Heme binding to human alpha-1 proteinase inhibitor. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 2020-2029.	2.4	27
72	Detection of a ferrylhemoglobin intermediate in an endothelial cell model after hypoxia-reoxygenation. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H92-H99.	3.2	25

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73	Biological action of nitric oxide donor compounds on platelets from patients with sickle cell disease. British Journal of Haematology, 2001, 112, 1048-1054.	2.5	25
74	Slow Histidine H/D Exchange Protocol for Thermodynamic Analysis of Protein Folding and Stability Using Mass Spectrometry. Analytical Chemistry, 2012, 84, 1653-1660.	6.5	25
75	Post-translational modification as a response to cellular stress induced by hemoglobin oxidation in sickle cell disease. Scientific Reports, 2020, 10, 14218.	3.3	25
76	Nitric Oxide-Mediated Heme Oxidation and Selective β-Globin Nitrosation of Hemoglobin from Normal and Sickle Erythrocytes. Biochemical and Biophysical Research Communications, 2000, 275, 962-967.	2.1	23
77	Effects of (-)-epigallocatechin gallate on the redox reactions of human hemoglobin. Free Radical Biology and Medicine, 2008, 45, 659-666.	2.9	23
78	Effects of Cell-Free Hemoglobin on Hypoxia-Inducible Factor (HIF-1α) and Heme Oxygenase (HO-1) Expressions in Endothelial Cells Subjected to Hypoxia. Antioxidants and Redox Signaling, 2004, 6, 944-953.	5.4	22
79	Induction of hypoxia inducible factor (HIF-1α) in rat kidneys by iron chelation with the hydroxypyridinone, CP94. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2011, 1809, 262-268.	1.9	22
80	Comparison of the oxidative reactivity of recombinant fetal and adult human hemoglobin: implications for the design of hemoglobin-based oxygen carriers. Bioscience Reports, 2018, 38, .	2.4	22
81	Allosteric effects on oxidative and nitrosative reactions of cellâ€free hemoglobins. IUBMB Life, 2007, 59, 498-505.	3.4	20
82	Functional comparison of hemoglobin purified by different methods and their biophysical implications. Biotechnology and Bioengineering, 2010, 106, 76-85.	3.3	20
83	Structural and biochemical characterization of two heme binding sites on α 1 -microglobulin using site directed mutagenesis and molecular simulation. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2016, 1864, 29-41.	2.3	20
84	Haptoglobin Preferentially Binds β but Not α Subunits Cross-Linked Hemoglobin Tetramers with Minimal Effects on Ligand and Redox Reactions. PLoS ONE, 2013, 8, e59841.	2.5	20
85	Chemical Characterization of Diaspirin Cross-Linked Hemoglobin Polymerized with Poly(ethylene) Tj ETQq1 1 0.	784314 rg 6.5	BT 19verlock
86	Acellular haemoglobin attenuates hypoxia-inducible factor-1α (HIF-1α) and its target genes in haemodiluted rats. Biochemical Journal, 2008, 414, 461-469.	3.7	19
87	Isolated Hb Providence β82Asn and β82Asp Fractions Are More Stable than Native HbA <sub>0</sub> under Oxidative Stress Conditions. Biochemistry, 2011, 50, 9752-9766.	2.5	19
88	Oxidative instability of hemoglobin E (β26 Glu→Lys) is increased in the presence of free α subunits and reversed by α-hemoglobin stabilizing protein (AHSP): Relevance to HbE/β-thalassemia. Redox Biology, 2016, 8, 363-374.	9.0	19
89	Enhanced nitrite reductase activity associated with the haptoglobin complexed hemoglobin dimer: Functional and antioxidative implications. Nitric Oxide - Biology and Chemistry, 2012, 27, 32-39.	2.7	18
90	Differential effects of sodium selenite in reducing tissue damage caused by three hemoglobin-based oxygen carriers. Journal of Applied Physiology, 2004, 96, 893-903.	2.5	17

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91	Reactions of Nitric Oxide and Hydrogen Peroxide with Hemoglobinâ€Based Blood Substitutes. Annals of the New York Academy of Sciences, 1994, 738, 378-381.	3.8	17
92	Effects of carbon monoxide (CO) delivery by a CO donor or hemoglobin on vascular hypoxia inducible factor 1α and mitochondrial respiration. FEBS Open Bio, 2012, 2, 113-118.	2.3	17
93	Redox Biology of Blood. Antioxidants and Redox Signaling, 2004, 6, 941-943.	5.4	16
94	Sustained treatment of sickle cell mice with haptoglobin increases <scp>HO</scp> â€l and Hâ€ferritin expression and decreases iron deposition in the kidney without improvement in kidney function. British Journal of Haematology, 2016, 175, 714-723.	2.5	16
95	Site-directed mutagenesis of cysteine residues alters oxidative stability of fetal hemoglobin. Redox Biology, 2018, 19, 218-225.	9.0	16
96	βCysteine 93 in human hemoglobin: a gateway to oxidative stability in health and disease. Laboratory Investigation, 2021, 101, 4-11.	3.7	16
97	Engineering oxidative stability in human hemoglobin based on the Hb providence (βK82D) mutation and genetic cross-linking. Biochemical Journal, 2017, 474, 4171-4192.	3.7	15
98	Targeting βCys93 in hemoglobin S with an antisickling agent possessing dual allosteric and antioxidant effects. Metallomics, 2017, 9, 1260-1270.	2.4	14
99	The Impact of COVID-19 Infection on Oxygen Homeostasis: A Molecular Perspective. Frontiers in Physiology, 2021, 12, 711976.	2.8	14
100	Hemodilution With Stoma-Free Hemoglobin at Physiologically Maintained Viscosity Delays the Onset of Vasoconstriction. Hypertension, 2004, 43, 1110-1115.	2.7	13
101	Oxidation of hemoglobin: mechanisms of control in vitro and in vivo. Transfusion Alternatives in Transfusion Medicine, 2007, 9, 204-212.	0.2	13
102	Exploring Oxidative Reactions in Hemoglobin Variants Using Mass Spectrometry: Lessons for Engineering Oxidatively Stable Oxygen Therapeutics. Antioxidants and Redox Signaling, 2017, 26, 777-793.	5.4	13
103	Antisickling Drugs Targeting $\hat{l}^2$ Cys93 Reduce Iron Oxidation and Oxidative Changes in Sickle Cell Hemoglobin. Frontiers in Physiology, 2019, 10, 931.	2.8	13
104	Cell-Free Hemoglobin Does Not Attenuate the Effects of SARS-CoV-2 Spike Protein S1 Subunit in Pulmonary Endothelial Cells. International Journal of Molecular Sciences, 2021, 22, 9041.	4.1	13
105	Evaluation of Stem Cell-Derived Red Blood Cells as a Transfusion Product Using a Novel Animal Model. PLoS ONE, 2016, 11, e0166657.	2.5	13
106	Oxidized Mutant Human Hemoglobins S and E Induce Oxidative Stress and Bioenergetic Dysfunction in Human Pulmonary Endothelial Cells. Frontiers in Physiology, 2017, 8, 1082.	2.8	12
107	Interactions of an Anti-Sickling Drug with Hemoglobin in Red Blood Cells from a Patient with Sickle Cell Anemia. Bioconjugate Chemistry, 2019, 30, 568-571.	3.6	11
108	Hemoglobin Aoand α-Crosslinked Hemoglobin (α-DBBF) Potentiate Agonist-Induced Platelet Aggregation Through the Platelet Thromboxane Receptor. Artificial Cells, Blood Substitutes, and Biotechnology, 1998, 26, 1-16.	0.9	10

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109	Inactivation of prolyl hydroxylase domain (PHD) protein by epigallocatechin (EGCC) stabilizes hypoxia-inducible factor (HIF-1α) and induces hepcidin (Hamp) in rat kidney. Biochemical and Biophysical Research Communications, 2011, 416, 421-426.	2.1	10
110	Stopped-flow fluorescence method for the detection of heme degradation products in solutions of chemically modified hemoglobins and peroxide. Analytical Biochemistry, 2002, 308, 186-188.	2.4	9
111	Mixed S-Nitrosylated Polymerized Bovine Hemoglobin Species Moderate Hemodynamic Effects in Acutely Hypoxic Rats. American Journal of Respiratory Cell and Molecular Biology, 2010, 42, 200-209.	2.9	9
112	Voxelotor treatment of a patient with sickle cell disease and very severe anemia. American Journal of Hematology, 2019, 94, E88-E90.	4.1	9
113	Substitutions in the β subunits of sickle-cell hemoglobin improve oxidative stability and increase the delay time of sickle-cell fiber formation. Journal of Biological Chemistry, 2019, 294, 4145-4159.	3.4	9
114	The Providence Mutation (βK82D) in Human Hemoglobin Substantially Reduces βCysteine 93 Oxidation and Oxidative Stress in Endothelial Cells. International Journal of Molecular Sciences, 2020, 21, 9453.	4.1	9
115	Caffeic acid: an antioxidant with novel antisickling properties. FEBS Open Bio, 2021, 11, 3293-3303.	2.3	9
116	Hemoglobin Oxidation Reactions in Stored Blood. Antioxidants, 2022, 11, 747.	5.1	9
117	Mitapivat increases ATP and decreases oxidative stress and erythrocyte mitochondria retention in a SCD mouse model. Blood Cells, Molecules, and Diseases, 2022, 95, 102660.	1.4	9
118	Redox Biology of Blood. Antioxidants and Redox Signaling, 2004, 6, 941-943.	5.4	7
119	Molecular Basis of Haptoglobin and Hemoglobin Complex Formation and Protection against Oxidative Stress and Damage. Regenerative Medicine, Artificial Cells and Nanomedicine, 2013, , 149-168.	0.1	5
120	20 Reactions of cross-linked ferric haemoglobins with hydrogen peroxide. Biochemical Society Transactions, 1998, 26, S320-S320.	3.4	4
121	Oxygen Sensing in the Circulation: "Cross Talk" Between Red Blood Cells and the Vasculature. Antioxidants and Redox Signaling, 2004, 6, 1000-1010.	5.4	4
122	Familial secondary erythrocytosis due to increased oxygen affinity is caused by destabilization of the T state of hemoglobin Brigham (α <sub>2</sub> î² <sub>2</sub> <sup>Pro100Leu</sup> ). Protein Science, 2012, 21, 1444-1455.	7.6	3
123	Redox Chemistry of Hemoglobin-Associated Disorders. Antioxidants and Redox Signaling, 2017, 26, 745-747.	5.4	3
124	Hemoglobin S Oxidation Promotes Plasma-Derived Microparticle Membrane Alterations and Toxicity. Blood, 2016, 128, 856-856.	1.4	3
125	Effects of Cell-Free Hemoglobin on Hypoxia-Inducible Factor (HIF-1α) and Heme Oxygenase (HO-1) Expressions in Endothelial Cells Subjected to Hypoxia. Antioxidants and Redox Signaling, 2004, 6, 944-953.	5.4	3
126	Redox states of hemoglobin determine left ventricle pressure recovery and activity of mitochondrial complex IV in hypoxic rat hearts. Free Radical Biology and Medicine, 2019, 141, 348-361.	2.9	2

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127	Memorial – Dr. Joseph C. Fratantoni. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 1049-1049.	2.8	1
128	Targeting the red cell enzyme pyruvate kinase with a small allosteric molecule AG-348 may correct underlying pathology of a glycolytic enzymopathy. Haematologica, 2020, 106, 9-11.	3.5	1
129	Unraveling of Hemoglobin Oxidative Toxicity: Thirty Years of Investigation. Regenerative Medicine, Artificial Cells and Nanomedicine, 2022, , 463-479.	0.1	1
130	Hemoglobin can Act as a (Pseudo)-Peroxidase in Vivo. What is the Evidence?. Frontiers in Molecular Biosciences, 0, 9, .	3.5	1
131	Effects of α subunit substitutions on the oxidation of βCys93 and the stability of sickle cell hemoglobin. Redox Report, 2020, 25, 95-103.	4.5	0