

Andre F Palmer

List of Publications by Year in descending order

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125
papers

2,985
citations

159358

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233125

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125
all docs

125
docs citations

125
times ranked

2675
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymersome Encapsulated Hemoglobin: A Novel Type of Oxygen Carrier. <i>Biomacromolecules</i> , 2005, 6, 2172-2181.	2.6	185
2	Biocompatible and Biodegradable Polymersome Encapsulated Hemoglobin: A Potential Oxygen Carrier. <i>Bioconjugate Chemistry</i> , 2008, 19, 1025-1032.	1.8	135
3	Methemoglobin Is an Endogenous Toll-Like Receptor 4 Ligand Relevance to Subarachnoid Hemorrhage. <i>International Journal of Molecular Sciences</i> , 2015, 16, 5028-5046.	1.8	98
4	Determination of Size Distribution and Encapsulation Efficiency of Liposome-Encapsulated Hemoglobin Blood Substitutes Using Asymmetric Flow Field-Flow Fractionation Coupled with Multi-Angle Static Light Scattering. <i>Biotechnology Progress</i> , 2003, 19, 1798-1811.	1.3	94
5	Self-assembled poly(butadiene)-b-poly(ethylene oxide) polymersomes as paclitaxel carriers. <i>Biotechnology Progress</i> , 2007, 23, 278-85.	1.3	76
6	Tangential flow filtration of hemoglobin. <i>Biotechnology Progress</i> , 2009, 25, 189-199.	1.3	75
7	Haptoglobin Preserves Vascular Nitric Oxide Signaling during Hemolysis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 1111-1122.	2.5	73
8	Effects of the molecular mass of tense-state polymerized bovine hemoglobin on blood pressure and vasoconstriction. <i>Journal of Applied Physiology</i> , 2009, 107, 1548-1558.	1.2	60
9	Haptoglobin administration into the subarachnoid space prevents hemoglobin-induced cerebral vasospasm. <i>Journal of Clinical Investigation</i> , 2019, 129, 5219-5235.	3.9	57
10	Photopolymerization of Bovine Hemoglobin Entrapped Nanoscale Hydrogel Particles within Liposomal Reactors for Use as an Artificial Blood Substitute. <i>Biomacromolecules</i> , 2005, 6, 414-424.	2.6	56
11	High throughput assembly of spatially controlled 3D cell clusters on a micro/nanoplatfom. <i>Lab on A Chip</i> , 2010, 10, 775.	3.1	55
12	Engineering Temperature-Sensitive Hydrogel Nanoparticles Entrapping Hemoglobin as a Novel Type of Oxygen Carrier. <i>Biomacromolecules</i> , 2005, 6, 2204-2212.	2.6	47
13	Effect of glutaraldehyde concentration on the physical properties of polymerized hemoglobin-based oxygen carriers. <i>Biotechnology Progress</i> , 2004, 20, 1225-1232.	1.3	45
14	Blood Substitutes. <i>Annual Review of Biomedical Engineering</i> , 2014, 16, 77-101.	5.7	44
15	Physical Properties of Hemoglobin-Poly(acrylamide) Hydrogel-Based Oxygen Carriers: Effect of Reaction pH. <i>Langmuir</i> , 2006, 22, 2212-2221.	1.6	40
16	Purification of hemoglobin by tangential flow filtration with diafiltration. <i>Biotechnology Progress</i> , 2009, 25, 1402-1410.	1.3	40
17	Simple Method for Preparing Poly(ethylene glycol)-Surface-Conjugated Liposome-Encapsulated Hemoglobins: Physicochemical Properties, Long-Term Storage Stability, and Their Reactions with O ₂ , CO, and NO. <i>Langmuir</i> , 2011, 27, 8829-8840.	1.6	40
18	Effect of Cl ⁻ and H ⁺ on the Oxygen Binding Properties of Glutaraldehyde-Polymerized Bovine Hemoglobin-Based Blood Substitutes. <i>Biotechnology Progress</i> , 2004, 20, 1543-1549.	1.3	39

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19	Down Selection of Polymerized Bovine Hemoglobins for Use as Oxygen Releasing Therapeutics in a Guinea Pig Model. <i>Toxicological Sciences</i> , 2012, 127, 567-581.	1.4	38
20	Large Scale Production of Vesicles by Hollow Fiber Extrusion: A Novel Method for Generating Polymersome Encapsulated Hemoglobin Dispersions. <i>Langmuir</i> , 2010, 26, 5279-5285.	1.6	36
21	Oxidized Mono-, Di-, Tri-, and Polysaccharides as Potential Hemoglobin Cross-Linking Reagents for the Synthesis of High Oxygen Affinity Artificial Blood Substitutes. <i>Biotechnology Progress</i> , 2004, 20, 953-962.	1.3	35
22	Synthesis, biophysical properties and pharmacokinetics of ultrahigh molecular weight tense and relaxed state polymerized bovine hemoglobins. <i>Biomaterials</i> , 2010, 31, 3723-3735.	5.7	35
23	Atomic Force Microscopy and Light Scattering of Small Unilamellar Actin-Containing Liposomes. <i>Biophysical Journal</i> , 2003, 85, 1233-1247.	0.2	34
24	Effect of NaBH ₄ Concentration and Reaction Time on Physical Properties of Glutaraldehyde-Polymerized Hemoglobin. <i>Biotechnology Progress</i> , 2004, 20, 946-952.	1.3	34
25	Enhanced Oxygen Delivery to Primary Hepatocytes within a Hollow Fiber Bioreactor Facilitated via Hemoglobin-Based Oxygen Carriers. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2007, 35, 585-606.	0.9	33
26	Hemoglobin-based oxygen carrier enhanced tumor oxygenation: A novel strategy for cancer therapy. <i>Biotechnology Progress</i> , 2008, 24, 1353-1364.	1.3	33
27	Site-Selective Glycosylation of Hemoglobin with Variable Molecular Weight Oligosaccharides: Potential Alternative to PEGylation. <i>Journal of the American Chemical Society</i> , 2012, 134, 7507-7515.	6.6	33
28	Site-Selective Glycosylation of Hemoglobin on Cys 293. <i>Bioconjugate Chemistry</i> , 2008, 19, 2221-2230.	1.8	32
29	Hypovolemic infusion of <i>Lumbricus terrestris</i> erythrocytes purified by tangential flow filtration. <i>Transfusion</i> , 2012, 52, 1729-1740.	0.8	32
30	Structure of Small Actin-Containing Liposomes Probed by Atomic Force Microscopy: Effect of Actin Concentration & Liposome Size. <i>Langmuir</i> , 2004, 20, 7917-7925.	1.6	31
31	Stability of Liposome Encapsulated Hemoglobin Dispersions. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2005, 33, 113-136.	0.9	31
32	Structure and Mechanical Response of Self-Assembled Poly(butadiene)-b-poly(ethylene oxide) Colloids Probed by Atomic Force Microscopy. <i>Macromolecules</i> , 2005, 38, 5686-5698.	2.2	30
33	Physical Properties and Stability Mechanisms of Poly(Ethylene Glycol) Conjugated Liposome Encapsulated Hemoglobin Dispersions. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2005, 33, 137-162.	0.9	30
34	Simulation of oxygen carrier mediated oxygen transport to C3A hepatoma cells housed within a hollow fiber bioreactor. <i>Biotechnology and Bioengineering</i> , 2006, 93, 306-317.	1.7	30
35	Preparation of ultrapure bovine and human hemoglobin by anion exchange chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 867, 1-7.	1.2	30
36	Purification of bovine hemoglobin via fast performance liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 856, 353-357.	1.2	29

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37	Effects of T- and R-state stabilization on deoxyhemoglobin-nitrite reactions and stimulation of nitric oxide signaling. <i>Nitric Oxide - Biology and Chemistry</i> , 2011, 25, 59-69.	1.2	29
38	Purification of hemoglobin from red blood cells using tangential flow filtration and immobilized metal ion affinity chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 131-138.	1.2	29
39	Liposomes surface conjugated with human hemoglobin target delivery to macrophages. <i>Biotechnology and Bioengineering</i> , 2012, 109, 823-829.	1.7	28
40	Hemoglobin-based oxygen carrier and convection enhanced oxygen transport in a hollow fiber bioreactor. <i>Biotechnology and Bioengineering</i> , 2009, 102, 1603-1612.	1.7	27
41	Reactivity of Polymersome Encapsulated Hemoglobin with Physiologically Important Gaseous Ligands: Oxygen, Carbon Monoxide, and Nitric Oxide. <i>Macromolecules</i> , 2012, 45, 2385-2389.	2.2	27
42	Development of a dichloroacetic acid-hemoglobin conjugate as a potential targeted anti-cancer therapeutic. <i>Biotechnology and Bioengineering</i> , 2011, 108, 1413-1420.	1.7	26
43	Biophysical Properties of Lumbricus terrestris Erythrocrurin and Its Potential Use as a Red Blood Cell Substitute. <i>Journal of Functional Biomaterials</i> , 2012, 3, 49-60.	1.8	26
44	Synthesis, biophysical properties, and oxygenation potential of variable molecular weight glutaraldehyde-polymerized bovine hemoglobins with low and high oxygen affinity. <i>Biotechnology Progress</i> , 2011, 27, 1172-1184.	1.3	25
45	Cotransplantation of Polymerized Hemoglobin Reduces \hat{I}^2 -Cell Hypoxia and Improves \hat{I}^2 -Cell Function in Intramuscular Islet Grafts. <i>Transplantation</i> , 2015, 99, 2077-2082.	0.5	24
46	The quaternary state of polymerized human hemoglobin regulates oxygenation of breast cancer solid tumors: A theoretical and experimental study. <i>PLoS ONE</i> , 2018, 13, e0191275.	1.1	24
47	Controlled Polymerization and Ultrafiltration Increase the Consistency of Polymerized Hemoglobin for Use as an Oxygen Carrier. <i>Bioconjugate Chemistry</i> , 2020, 31, 605-621.	1.8	23
48	Role of erythrocyte deformability during capillary wetting. <i>Biotechnology and Bioengineering</i> , 2006, 93, 201-211.	1.7	22
49	Targeted Oxygen Delivery within Hepatic Hollow Fiber Bioreactors via Supplementation of Hemoglobin-Based Oxygen Carriers. <i>Biotechnology Progress</i> , 2008, 22, 1374-1387.	1.3	22
50	Vessel-on-a-chip models for studying microvascular physiology, transport, and function in vitro. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 320, C92-C105.	2.1	22
51	Encapsulation of hemoglobin inside liposomes surface conjugated with poly(ethylene glycol) attenuates their reactions with gaseous ligands and regulates nitric oxide dependent vasodilation. <i>Biotechnology Progress</i> , 2012, 28, 636-645.	1.3	21
52	Functional comparison of hemoglobin purified by different methods and their biophysical implications. <i>Biotechnology and Bioengineering</i> , 2010, 106, 76-85.	1.7	20
53	Modeling hemoglobin and hemoglobin:haptoglobin complex clearance in a non-rodent species: pharmacokinetic and therapeutic implications. <i>Frontiers in Physiology</i> , 2014, 5, 385.	1.3	20
54	Numerical Simulation of Oxygen Delivery to Muscle Tissue in the Presence of Hemoglobin-Based Oxygen Carriers. <i>Biotechnology Progress</i> , 2006, 22, 1025-1049.	1.3	19

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55	Tissue oxygenation after exchange transfusion with ultrahigh-molecular-weight tense- and relaxed-state polymerized bovine hemoglobins. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H1062-H1071.	1.5	19
56	Biophysical Properties and Oxygenation Potential of High-Molecular-Weight Glutaraldehyde-Polymerized Human Hemoglobins Maintained in the Tense and Relaxed Quaternary States. <i>Tissue Engineering - Part A</i> , 2011, 17, 927-940.	1.6	19
57	Oxygen delivery during extreme anemia with ultra-pure earthworm hemoglobin. <i>Life Sciences</i> , 2012, 91, 852-859.	2.0	19
58	Convection and Hemoglobin-Based Oxygen Carrier Enhanced Oxygen Transport in a Hepatic Hollow Fiber Bioreactor. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2008, 36, 386-402.	0.9	18
59	The quaternary structure of tetrameric hemoglobin regulates the oxygen affinity of polymerized hemoglobin. <i>Biotechnology Progress</i> , 2009, 25, 1803-1809.	1.3	18
60	Resuscitation from hemorrhagic shock after traumatic brain injury with polymerized hemoglobin. <i>Scientific Reports</i> , 2021, 11, 2509.	1.6	18
61	Effect of Actin Concentration on the Structure of Actin-Containing Liposomes. <i>Langmuir</i> , 2004, 20, 4629-4639.	1.6	17
62	Mixtures of hemoglobin-based oxygen carriers and perfluorocarbons exhibit a synergistic effect in oxygenating hepatic hollow fiber bioreactors. <i>Biotechnology and Bioengineering</i> , 2010, 105, 534-542.	1.7	17
63	Hemoglobin Regulates the Metabolic, Synthetic, Detoxification, and Biotransformation Functions of Hepatoma Cells Cultured in a Hollow Fiber Bioreactor. <i>Tissue Engineering - Part A</i> , 2010, 16, 3231-3240.	1.6	17
64	An Hb-mediated circulating macrophage contributing to pulmonary vascular remodeling in sickle cell disease. <i>JCI Insight</i> , 2019, 4, .	2.3	17
65	Engineering Select Physical Properties of Cross-Linked Red Blood Cells and a Simple a Priori Estimation of Their Efficacy as an Oxygen Delivery Vehicle within the Context of a Hepatic Hollow Fiber Bioreactor. <i>Biotechnology Progress</i> , 2005, 21, 1700-1707.	1.3	16
66	Conjugation of methoxypolyethylene glycol to the surface of bovine red blood cells. <i>Biotechnology and Bioengineering</i> , 2007, 96, 1199-1210.	1.7	16
67	Self-Assembled Poly(butadiene)-poly(ethylene oxide) Polymersomes as Paclitaxel Carriers. <i>Biotechnology Progress</i> , 2007, 23, 278-285.	1.3	16
68	Polymerized human hemoglobin facilitated modulation of tumor oxygenation is dependent on tumor oxygenation status and oxygen affinity of the hemoglobin-based oxygen carrier. <i>Scientific Reports</i> , 2020, 10, 11372.	1.6	16
69	Synthesis and biophysical properties of polymerized human serum albumin. <i>Biotechnology Progress</i> , 2011, 27, 290-296.	1.3	15
70	Synthesis of Hemoglobin-Based Oxygen Carrier Nanoparticles By Desolvation Precipitation. <i>Langmuir</i> , 2020, 36, 14166-14172.	1.6	15
71	Resuscitation From Hemorrhagic Shock With Fresh and Stored Blood and Polymerized Hemoglobin. <i>Shock</i> , 2020, 54, 464-473.	1.0	15
72	Anti-inflammatory effects of haptoglobin on LPS-stimulated macrophages: Role of HMGB1 signaling and implications in chronic wound healing. <i>Wound Repair and Regeneration</i> , 2020, 28, 493-505.	1.5	15

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73	Changes in Liposome Morphology Induced by Actin Polymerization in Submicrometer Liposomes. <i>Langmuir</i> , 2003, 19, 10581-10587.	1.6	14
74	Impact of Increased Oxygen Delivery via Bovine Red Blood Cell Supplementation of Culturing Media on Select Metabolic and Synthetic Functions of C3A Hepatocytes Maintained within a Hollow Fiber Bioreactor. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2005, 33, 297-306.	0.9	14
75	Novel manufacturing method for producing apohemoglobin and its biophysical properties. <i>Biotechnology and Bioengineering</i> , 2020, 117, 125-145.	1.7	14
76	Hemoglobin-Based O ₂ Carrier O ₂ Affinity and Capillary Inlet pO ₂ Are Important Factors That Influence O ₂ Transport in a Capillary. <i>Biotechnology Progress</i> , 2007, 23, 921-931.	1.3	14
77	High O ₂ affinity hemoglobin-based oxygen carriers synthesized via polymerization of hemoglobin with ring-opened 2-chloroethyl-β-D-fructopyranoside and 1-o-octyl-β-D-glucopyranoside. <i>Biotechnology and Bioengineering</i> , 2007, 97, 462-472.	1.7	13
78	Quantification of Active Apohemoglobin Heme-Binding Sites via Dicyanohemin Incorporation. <i>Biochemistry</i> , 2017, 56, 5245-5259.	1.2	13
79	Polymerized Hemoglobin With Increased Molecular Size Reduces Toxicity in Healthy Guinea Pigs. <i>ACS Applied Bio Materials</i> , 2020, 3, 2976-2985.	2.3	13
80	Plasma expander viscosity effects on red cell-free layer thickness after moderate hemodilution. <i>Biorheology</i> , 2011, 48, 277-291.	1.2	12
81	Small-volume resuscitation from hemorrhagic shock with polymerized human serum albumin. <i>American Journal of Emergency Medicine</i> , 2012, 30, 1336-1346.	0.7	12
82	Evaluating the Capacity to Generate and Preserve Nitric Oxide Bioactivity in Highly Purified Earthworm Erythrocrurin. <i>Journal of Biological Chemistry</i> , 2015, 290, 99-117.	1.6	12
83	Apohemoglobin-haptoglobin complex attenuates the pathobiology of circulating acellular hemoglobin and heme. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 318, H1296-H1307.	1.5	12
84	Selective protein purification via tangential flow filtration “ Exploiting protein-protein complexes to enable size-based separations. <i>Journal of Membrane Science</i> , 2021, 618, 118712.	4.1	12
85	Molecular volume and HBOC-induced vasoconstriction. <i>Blood</i> , 2006, 108, 3231-3232.	0.6	10
86	The small mass assumption applied to the multibody dynamics of motor proteins. <i>Journal of Biomechanics</i> , 2009, 42, 1218-1223.	0.9	10
87	Comprehensive characterization of tense and relaxed quaternary state glutaraldehyde polymerized bovine hemoglobin as a function of crosslink density. <i>Biotechnology and Bioengineering</i> , 2020, 117, 2362-2376.	1.7	10
88	Hemoglobin regulates the metabolic and synthetic function of rat insulinoma cells cultured in a hollow fiber bioreactor. <i>Biotechnology and Bioengineering</i> , 2010, 107, 582-592.	1.7	9
89	Tangential flow filtration of haptoglobin. <i>Biotechnology Progress</i> , 2020, 36, e3010.	1.3	9
90	Early Intervention in Ischemic Tissue with Oxygen Nanocarriers Enables Successful Implementation of Restorative Cell Therapies. <i>Cellular and Molecular Bioengineering</i> , 2020, 13, 435-446.	1.0	9

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91	ZIF-8 Metal-Organic Framework Nanoparticles Loaded with Hemoglobin as a Potential Red Blood Cell Substitute. <i>ACS Applied Nano Materials</i> , 2022, 5, 5670-5679.	2.4	9
92	Hemoglobin-Based O ₂ Carrier O ₂ Affinity and Capillary Inlet pO ₂ Are Important Factors That Influence O ₂ Transport in a Capillary. <i>Biotechnology Progress</i> , 2007, 23, 921-931.	1.3	8
93	Contact and Impact in the Multibody Dynamics of Motor Protein Locomotion. <i>Langmuir</i> , 2009, 25, 12974-12981.	1.6	8
94	Small-Volume Resuscitation From Hemorrhagic Shock Using High-Molecular-Weight Tense-State Polymerized Hemoglobins. <i>Journal of Trauma</i> , 2011, 71, 798-807.	2.3	8
95	Poly(ethylene glycol) Surface-Conjugated Apohemoglobin as a Synthetic Heme Scavenger. <i>Biomacromolecules</i> , 2020, 21, 2155-2164.	2.6	8
96	Safety profile of high molecular weight polymerized hemoglobins. <i>Transfusion</i> , 2021, 61, 212-224.	0.8	8
97	Structural Stability and Biophysical Properties of the Mega-Protein Erythrocrucorin Are Regulated by Polyethylene Glycol Surface Coverage. <i>Biomacromolecules</i> , 2021, 22, 2081-2093.	2.6	8
98	Perfluorocarbon facilitated O ₂ transport in a hepatic hollow fiber bioreactor. <i>Biotechnology Progress</i> , 2009, 25, 1317-1321.	1.3	7
99	Scaffold Architecture Controls Insulinoma Clustering, Viability, and Insulin Production. <i>Tissue Engineering - Part A</i> , 2014, 20, 1784-1793.	1.6	7
100	Purification of Lumbricus terrestris Mega-Hemoglobin for Diverse Oxygen Therapeutic Applications. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 4957-4968.	2.6	7
101	Balance between oxygen transport and blood rheology during resuscitation from hemorrhagic shock with polymerized bovine hemoglobin. <i>Journal of Applied Physiology</i> , 2020, 129, 97-107.	1.2	7
102	Intrinsically magnetic susceptibility in human blood and its potential impact on cell separation: Non-classical and intermediate monocytes have the strongest magnetic behavior in fresh human blood. <i>Experimental Hematology</i> , 2021, 99, 21-31.e5.	0.2	7
103	Polymerized human hemoglobin increases the effectiveness of cisplatin-based chemotherapy in non-small cell lung cancer. <i>Oncotarget</i> , 2020, 11, 3770-3781.	0.8	7
104	Immune recognition of exposed xenoantigens on the surface of PEGylated bovine red blood cells. <i>Biotechnology and Bioengineering</i> , 2008, 101, 337-344.	1.7	6
105	Polymerization of human hemoglobin using the crosslinker 1,1-bis(maleimido)triethylene glycol for use as an oxygen carrier. <i>Biotechnology Progress</i> , 2010, 26, 1481-1485.	1.3	6
106	Simulation of NO and O ₂ transport facilitated by polymerized hemoglobin solutions in an arteriole that takes into account wall shear stress-induced NO production. <i>Biophysical Chemistry</i> , 2012, 162, 45-60.	1.5	6
107	Hemoglobin regulates the migration of glioma cells along poly(μ -caprolactone)-aligned nanofibers. <i>Biotechnology Progress</i> , 2014, 30, 1214-1220.	1.3	6
108	Polymerized albumin restores impaired hemodynamics in endotoxemia and polymicrobial sepsis. <i>Scientific Reports</i> , 2021, 11, 10834.	1.6	6

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109	Biophysical properties of tense quaternary state polymerized human hemoglobins bracketed between 500Å<sc>kDa</sc> and 0.2Å ^{1/4} m in size. <i>Biotechnology Progress</i> , 2022, 38, e3219.	1.3	6
110	Tangential flow filtration facilitated fractionation and PEGylation of low and highâ€molecular weight polymerized hemoglobins and their biophysical properties. <i>Biotechnology and Bioengineering</i> , 2022, 119, 176-186.	1.7	6
111	Scalable production and complete biophysical characterization of poly(ethylene glycol) surface conjugated liposome encapsulated hemoglobin (PEG-LEH). <i>PLoS ONE</i> , 2022, 17, e0269939.	1.1	6
112	Structure of Greyhound hemoglobin: origin of high oxygen affinity. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2011, 67, 395-402.	2.5	5
113	Apo-hemoglobin-haptoglobin complexes attenuate the hypertensive response to low-molecular-weight polymerized hemoglobin. <i>Blood Advances</i> , 2020, 4, 2739-2750.	2.5	5
114	Sonication Effectively Reduces Nanoparticle Size in Hemoglobin-Based Oxygen Carriers (HBOCs) Produced Through Coprecipitation: Implications for Red Blood Cell Substitutes. <i>ACS Applied Nano Materials</i> , 2020, 3, 11736-11742.	2.4	5
115	Tumor vascular status controls oxygen delivery facilitated by infused polymerized hemoglobins with varying oxygen affinity. <i>PLoS Computational Biology</i> , 2020, 16, e1008157.	1.5	5
116	Enhanced Photodynamic Therapy Using the Apo-hemoglobin-Haptoglobin Complex as a Carrier of Aluminum Phthalocyanine. <i>ACS Applied Bio Materials</i> , 2020, 3, 4495-4506.	2.3	4
117	Purification and analysis of a protein cocktail capable of scavenging cellâ€free hemoglobin, heme, and iron. <i>Transfusion</i> , 2021, 61, 1894-1907.	0.8	4
118	Novel strategies for transporting cellular hemoglobin-based oxygen carriers in the systemic circulation. <i>Transfusion Alternatives in Transfusion Medicine</i> , 2007, 9, 237-245.	0.2	3
119	Hemoglobin Encapsulated Poly(Ethylene Glycol) Surface Conjugated Vesicles Attenuate Vasoactivity of Cell-Free Hemoglobin. <i>Current Drug Discovery Technologies</i> , 2012, 9, 224-234.	0.6	3
120	Attenuating ischemia-reperfusion injury with polymerized albumin. <i>Journal of Applied Physiology</i> , 2022, 132, 489-496.	1.2	3
121	Effect of ascorbic acid on storage of Greyhound erythrocytes. <i>American Journal of Veterinary Research</i> , 2015, 76, 789-800.	0.3	2
122	Vasoconstriction, Hypertension and Oxidative Toxicity are Regulated by Polymerized Hemoglobin Size. , 2013, , 693-711.		2
123	Scalable manufacturing platform for the production of methemoglobin as a non-oxygen carrying control material in studies of cell-free hemoglobin solutions. <i>PLoS ONE</i> , 2022, 17, e0263782.	1.1	2
124	Lyophilized annelid mega-hemoglobin retains itsâ€™ quaternary structure and oxygen equilibrium properties after room temperature storage for over 6 months. <i>PLoS ONE</i> , 2022, 17, e0263996.	1.1	1
125	Macrophage modulation by polymerized hemoglobins: Potential as a wound-healing therapy. <i>Technology</i> , 2019, 07, 84-97.	1.4	0