

Pedro J Cabrales

List of Publications by Year in descending order

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289
papers

7,659
citations

57719

44
h-index

79644

73
g-index

297
all docs

297
docs citations

297
times ranked

7234
citing authors

#	ARTICLE	IF	CITATIONS
1	Microvascular oxygen distribution in awake hamster window chamber model during hyperoxia. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H1537-H1545.	1.5	408
2	Immunoresponsive Gene 1 and Itaconate Inhibit Succinate Dehydrogenase to Modulate Intracellular Succinate Levels. Journal of Biological Chemistry, 2016, 291, 14274-14284.	1.6	342
3	Elevated plasma viscosity in extreme hemodilution increases perivascular nitric oxide concentration and microvascular perfusion. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H1730-H1739.	1.5	196
4	Microvascular perfusion upon exchange transfusion with stored red blood cells in normovolemic anemic conditions. Transfusion, 2004, 44, 1626-1634.	0.8	169
5	Enzyme promiscuity drives branched-chain fatty acid synthesis in adipose tissues. Nature Chemical Biology, 2018, 14, 1021-1031.	3.9	165
6	Dissociation of local nitric oxide concentration and vasoconstriction in the presence of cell-free hemoglobin oxygen carriers. Blood, 2006, 108, 3603-3610.	0.6	149
7	Microvascular pressure and functional capillary density in extreme hemodilution with low- and high-viscosity dextran and a low-viscosity Hb-based O ₂ carrier. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H363-H373.	1.5	122
8	Microvascular and capillary perfusion following glycocalyx degradation. Journal of Applied Physiology, 2007, 102, 2251-2259.	1.2	98
9	Murine Cerebral Malaria Is Associated with a Vasospasm-Like Microcirculatory Dysfunction, and Survival upon Rescue Treatment Is Markedly Increased by Nimodipine. American Journal of Pathology, 2010, 176, 1306-1315.	1.9	96
10	Perfusion vs. oxygen delivery in transfusion with "fresh" and "old" red blood cells: The experimental evidence. Transfusion and Apheresis Science, 2010, 43, 69-78.	0.5	91
11	Plasma viscosity regulates systemic and microvascular perfusion during acute extreme anemic conditions. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H2445-H2452.	1.5	89
12	Nitric Oxide Protection Against Murine Cerebral Malaria Is Associated With Improved Cerebral Microcirculatory Physiology. Journal of Infectious Diseases, 2011, 203, 1454-1463.	1.9	86
13	Itaconate modulates tricarboxylic acid and redox metabolism to mitigate reperfusion injury. Molecular Metabolism, 2020, 32, 122-135.	3.0	83
14	Cardiovascular benefits in moderate increases of blood and plasma viscosity surpass those associated with lowering viscosity: Experimental and clinical evidence. Clinical Hemorheology and Microcirculation, 2010, 44, 75-85.	0.9	76
15	Safety and activity of RRx-001 in patients with advanced cancer: a first-in-human, open-label, dose-escalation phase 1 study. Lancet Oncology, The, 2015, 16, 1133-1142.	5.1	76
16	Sustained release nitric oxide from long-lived circulating nanoparticles. Free Radical Biology and Medicine, 2010, 49, 530-538.	1.3	75
17	Blood viscosity maintains microvascular conditions during normovolemic anemia independent of blood oxygen-carrying capacity. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H581-H590.	1.5	73
18	Reversal of hemoglobin-induced vasoconstriction with sustained release of nitric oxide. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H49-H56.	1.5	72

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19	Knockdown of ANT2 reduces adipocyte hypoxia and improves insulin resistance in obesity. <i>Nature Metabolism</i> , 2019, 1, 86-97.	5.1	71
20	Mechanotransduction and the homeostatic significance of maintaining blood viscosity in hypotension, hypertension and haemorrhage. <i>Journal of Internal Medicine</i> , 2006, 259, 364-372.	2.7	70
21	Effects of erythrocyte flexibility on microvascular perfusion and oxygenation during acute anemia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H1206-H1215.	1.5	67
22	IS RESUSCITATION FROM HEMORRHAGIC SHOCK LIMITED BY BLOOD OXYGEN-CARRYING CAPACITY OR BLOOD VISCOSITY?. <i>Shock</i> , 2007, 27, 380-389.	1.0	67
23	Transfusion restores blood viscosity and reinstates microvascular conditions from hemorrhagic shock independent of oxygen carrying capacity. <i>Resuscitation</i> , 2007, 75, 124-134.	1.3	66
24	Blood Substitutes. <i>ASAIO Journal</i> , 2013, 59, 337-354.	0.9	66
25	RRx-001 Acts as a Dual Small Molecule Checkpoint Inhibitor by Downregulating CD47 on Cancer Cells and SIRP-1± on Monocytes/Macrophages. <i>Translational Oncology</i> , 2019, 12, 626-632.	1.7	66
26	A Review of Clinical Radioprotection and Chemoprotection for Oral Mucositis. <i>Translational Oncology</i> , 2018, 11, 771-778.	1.7	63
27	Oxygen delivery and consumption in the microcirculation after extreme hemodilution with perfluorocarbons. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H320-H330.	1.5	62
28	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
29	Role of endothelial nitric oxide in microvascular oxygen delivery and consumption. <i>Free Radical Biology and Medicine</i> , 2005, 39, 1229-1237.	1.3	58
30	Alginate plasma expander maintains perfusion and plasma viscosity during extreme hemodilution. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H1708-H1716.	1.5	58
31	GBT440 improves red blood cell deformability and reduces viscosity of sickle cell blood under deoxygenated conditions. <i>Clinical Hemorheology and Microcirculation</i> , 2018, 70, 95-105.	0.9	58
32	Poly(ethylene glycol) hydrogels with cell cleavable groups for autonomous cell delivery. <i>Biomaterials</i> , 2016, 77, 186-197.	5.7	57
33	Microvascular effects following treatment with polyethylene glycol-albumin in lipopolysaccharide-induced endotoxemia. <i>Critical Care Medicine</i> , 2006, 34, 108-117.	0.4	55
34	Increase plasma viscosity sustains microcirculation after resuscitation from hemorrhagic shock and continuous bleeding. <i>Shock</i> , 2005, 23, 549-55.	1.0	54
35	Increased tissue Po ₂ and decreased O ₂ delivery and consumption after 80% exchange transfusion with polymerized hemoglobin. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H2825-H2833.	1.5	52
36	Hemorrhagic shock resuscitation with carbon monoxide saturated blood. <i>Resuscitation</i> , 2007, 72, 306-318.	1.3	52

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37	Microvascular benefits of increasing plasma viscosity and maintaining blood viscosity: Counterintuitive experimental findings. <i>Biorheology</i> , 2009, 46, 167-179.	1.2	52
38	Exogenous nitric oxide decreases brain vascular inflammation, leakage and venular resistance during <i>Plasmodium berghei</i> ANKA infection in mice. <i>Journal of Neuroinflammation</i> , 2011, 8, 66.	3.1	50
39	Effects of extreme hemodilution with hemoglobin-based O ₂ carriers on microvascular pressure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H2146-H2153.	1.5	49
40	Nitric Oxide Synthase Dysfunction Contributes to Impaired Cerebroarteriolar Reactivity in Experimental Cerebral Malaria. <i>PLoS Pathogens</i> , 2013, 9, e1003444.	2.1	49
41	HYPEROSMOTIC-HYPERONCOTIC VERSUS HYPEROSMOTIC-HYPERVISCIOUS: SMALL VOLUME RESUSCITATION IN HEMORRHAGIC SHOCK. <i>Shock</i> , 2004, 22, 431-437.	1.0	48
42	EARLY DIFFERENCE IN TISSUE PH AND MICROVASCULAR HEMODYNAMICS IN HEMORRHAGIC SHOCK RESUSCITATION USING POLYETHYLENE GLYCOL-ALBUMIN- AND HYDROXYETHYL STARCH-BASED PLASMA EXPANDERS. <i>Shock</i> , 2005, 24, 66-73.	1.0	47
43	Oxygen transport by low and normal oxygen affinity hemoglobin vesicles in extreme hemodilution. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H1885-H1892.	1.5	46
44	Microcirculatory changes during chronic adaptation to hypoxia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 285, H2064-H2071.	1.5	45
45	Endothelin receptor B, a candidate gene from human studies at high altitude, improves cardiac tolerance to hypoxia in genetically engineered heterozygote mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10425-10430.	3.3	45
46	RRx-001: a systemically non-toxic M2-to-M1 macrophage stimulating and prosensitizing agent in Phase II clinical trials. <i>Expert Opinion on Investigational Drugs</i> , 2017, 26, 109-119.	1.9	45
47	Microhemodynamic aberrations created by transfusion of stored blood. <i>Transfusion</i> , 2014, 54, 1015-1027.	0.8	43
48	Notch-independent RBPJ controls angiogenesis in the adult heart. <i>Nature Communications</i> , 2016, 7, 12088.	5.8	43
49	Hemoglobin $\hat{\tau}$ 293 Cysteine Is Not Required for Export of Nitric Oxide Bioactivity From the Red Blood Cell. <i>Circulation</i> , 2019, 139, 2654-2663.	1.6	42
50	Nitric oxide regulation of microvascular oxygen exchange during hypoxia and hyperoxia. <i>Journal of Applied Physiology</i> , 2006, 100, 1181-1187.	1.2	41
51	Microvascular experimental evidence on the relative significance of restoring oxygen carrying capacity vs. blood viscosity in shock resuscitation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 1421-1427.	1.1	41
52	Microvascular and systemic effects following top load administration of saturated carbon monoxide-saline solution*. <i>Critical Care Medicine</i> , 2007, 35, 1123-1132.	0.4	40
53	Increased plasma viscosity prolongs microhemodynamic conditions during small volume resuscitation from hemorrhagic shock. <i>Resuscitation</i> , 2008, 77, 379-386.	1.3	39
54	Extreme hemodilution with PEG-hemoglobin vs. PEG-albumin. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H2392-H2400.	1.5	37

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55	RRx-001, A novel dinitroazetidide radiosensitizer. <i>Investigational New Drugs</i> , 2016, 34, 371-377.	1.2	37
56	Microlymphatic and tissue oxygen tension in the rat mesentery. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H878-H883.	1.5	35
57	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
58	Red Blood Cell Metabolic Responses to Torpor and Arousal in the Hibernator Arctic Ground Squirrel. <i>Journal of Proteome Research</i> , 2019, 18, 1827-1841.	1.8	34
59	MICROCIRCULATORY EFFECTS OF CHANGING BLOOD HEMOGLOBIN OXYGEN AFFINITY DURING HEMORRHAGIC SHOCK RESUSCITATION IN AN EXPERIMENTAL MODEL. <i>Shock</i> , 2009, 31, 646-653.	1.0	33
60	Exogenous nitric oxide prevents cardiovascular collapse during hemorrhagic shock. <i>Resuscitation</i> , 2011, 82, 607-613.	1.3	33
61	Increased hemoglobin O ₂ affinity protects during acute hypoxia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 303, H271-H281.	1.5	33
62	Lowering of Blood Pressure by Increasing Hematocrit with Non-Nitric Oxide Scavenging Red Blood Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008, 38, 135-142.	1.4	32
63	Autoregulation and mechanotransduction control the arteriolar response to small changes in hematocrit. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 303, H1096-H1106.	1.5	32
64	Hypovolemic infusion of <i>Lumbricus terrestris</i> erythrocyte-derived hemoglobin purified by tangential flow filtration. <i>Transfusion</i> , 2012, 52, 1729-1740.	0.8	32
65	Doxorubicin-loaded red blood cells reduced cardiac toxicity and preserved anticancer activity. <i>Drug Delivery</i> , 2019, 26, 433-442.	2.5	32
66	A nanoparticle delivery vehicle for S-nitroso-N-acetyl cysteine: Sustained vascular response. <i>Nitric Oxide - Biology and Chemistry</i> , 2012, 27, 150-160.	1.2	31
67	HBOC Vasoactivity: Interplay Between Nitric Oxide Scavenging and Capacity to Generate Bioactive Nitric Oxide Species. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 2284-2297.	2.5	31
68	Oxygen Distribution and Respiration by the Microcirculation. <i>Antioxidants and Redox Signaling</i> , 2004, 6, 1011-1018.	2.5	30
69	Exogenous nitric oxide induces protection during hemorrhagic shock. <i>Resuscitation</i> , 2009, 80, 707-712.	1.3	30
70	Increased cardiac output and microvascular blood flow during mild hemoconcentration in hamster window model. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H310-H317.	1.5	29
71	The variability of blood pressure due to small changes of hematocrit. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H863-H867.	1.5	29
72	Nonlinear cardiovascular regulation consequent to changes in blood viscosity. <i>Clinical Hemorheology and Microcirculation</i> , 2011, 49, 29-36.	0.9	29

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73	Senp1 drives hypoxia-induced polycythemia via GATA1 and Bcl-xL in subjects with Monge's disease. <i>Journal of Experimental Medicine</i> , 2016, 213, 2729-2744.	4.2	29
74	RESUSCITATION FROM HEMORRHAGIC SHOCK WITH HYDROXYETHYL STARCH AND COAGULATION CHANGES. <i>Shock</i> , 2007, 28, 461-467.	1.0	28
75	Volume resuscitation from hemorrhagic shock with albumin and hexaPEGylated human serum albumin. <i>Resuscitation</i> , 2008, 79, 139-146.	1.3	28
76	S-nitrosoglutathione Prevents Experimental Cerebral Malaria. <i>Journal of NeuroImmune Pharmacology</i> , 2012, 7, 477-487.	2.1	28
77	Posttransfusion Increase of Hematocrit per se Does Not Improve Circulatory Oxygen Delivery due to Increased Blood Viscosity. <i>Anesthesia and Analgesia</i> , 2017, 124, 1547-1554.	1.1	28
78	GBT1118, a potent allosteric modifier of hemoglobin O ₂ affinity, increases tolerance to severe hypoxia in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H381-H391.	1.5	28
79	Transfusion of Anaerobically or Conventionally Stored Blood After Hemorrhagic Shock. <i>Shock</i> , 2020, 53, 352-362.	1.0	28
80	Measurement of the cardiac output in small animals by thermodilution. <i>Microvascular Research</i> , 2003, 66, 77-82.	1.1	27
81	Oxygen release from low and normal P50 Hb vesicles in transiently occluded arterioles of the hamster window model. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H2897-H2903.	1.5	27
82	Modulation of Perfusion and Oxygenation by Red Blood Cell Oxygen Affinity during Acute Anemia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008, 38, 354-361.	1.4	27
83	Intravital Microscopy of the Mouse Brain Microcirculation using a Closed Cranial Window. <i>Journal of Visualized Experiments</i> , 2010, , .	0.2	27
84	Blood pressure directly correlates with blood viscosity in diabetes type 1 children but not in normals. <i>Clinical Hemorheology and Microcirculation</i> , 2010, 44, 55-61.	0.9	27
85	PEG-albumin supraplasma expansion is due to increased vessel wall shear stress induced by blood viscosity shear thinning. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H2489-H2497.	1.5	26
86	Prospects for Human Erythrocyte Skeleton-Bilayer Dissociation during Splenic Flow. <i>Biophysical Journal</i> , 2017, 113, 900-912.	0.2	26
87	Erythrocyte Aging, Protection via Vesiculation: An Analysis Methodology via Oscillatory Flow. <i>Frontiers in Physiology</i> , 2018, 9, 1607.	1.3	26
88	POLYMERIZED BOVINE HEMOGLOBIN CAN IMPROVE SMALL-VOLUME RESUSCITATION FROM HEMORRHAGIC SHOCK IN HAMSTERS. <i>Shock</i> , 2009, 31, 300-307.	1.0	25
89	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
90	Resuscitation from hemorrhagic shock using polymerized hemoglobin compared to blood. <i>American Journal of Emergency Medicine</i> , 2014, 32, 248-255.	0.7	25

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91	RESUSCITATION FROM HEMORRHAGIC SHOCK WITH MalPEG-ALBUMIN: COMPARISON WITH MalPEG-HEMOGLOBIN. <i>Shock</i> , 2004, 22, 351-357.	1.0	24
92	MICROVASCULAR PERSPECTIVE OF OXYGEN-CARRYING AND -NONCARRYING BLOOD SUBSTITUTES. <i>Annual Review of Biomedical Engineering</i> , 2006, 8, 289-321.	5.7	24
93	Navigating the "No Man's Land" of TKI-Failed EGFR-Mutated Non-Small Cell Lung Cancer (NSCLC): A Review. <i>Neoplasia</i> , 2018, 20, 92-98.	2.3	24
94	Increases in core temperature counterbalance effects of haemoconcentration on blood viscosity during prolonged exercise in the heat. <i>Experimental Physiology</i> , 2016, 101, 332-342.	0.9	23
95	Microvascular Po ₂ during extreme hemodilution with hemoglobin site specifically PEGylated at Cys-93(I ²) in hamster window chamber. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H1609-H1617.	1.5	22
96	Survival time in severe hemorrhagic shock after perioperative hemodilution scenario with polyethylene glycol conjugated human serum albumin is longer than with HES 130/0.4: a microvascular perspective. <i>Critical Care</i> , 2008, 12, R54.	2.5	22
97	Topically Applied NO-Releasing Nanoparticles Can Increase Intracorporal Pressure and Elicit Spontaneous Erections in a Rat Model of Radical Prostatectomy. <i>Journal of Sexual Medicine</i> , 2014, 11, 2903-2914.	0.3	22
98	Microvascular oxygen delivery and consumption following treatment with verapamil. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H1515-H1520.	1.5	21
99	Control of overweight and obesity in childhood through education in meal time habits. The "good manners for a healthy future" programme. <i>Pediatric Obesity</i> , 2016, 11, 484-490.	1.4	21
100	CX3CL1-Fc treatment prevents atherosclerosis in Ldlr KO mice. <i>Molecular Metabolism</i> , 2019, 20, 89-101.	3.0	21
101	Balance between vasoconstriction and enhanced oxygen delivery. <i>Transfusion</i> , 2008, 48, 2087-2095.	0.8	20
102	RRx-001, an epigenetic-based radio- and chemosensitizer, has vascular normalizing effects on SCCVII and U87 tumors. <i>Clinical Epigenetics</i> , 2016, 8, 53.	1.8	20
103	Hepatocyte-specific HIF-1 α ablation improves obesity-induced glucose intolerance by reducing first-pass GLP-1 degradation. <i>Science Advances</i> , 2019, 5, eaaw4176.	4.7	20
104	Mixtures of tense and relaxed state polymerized human hemoglobin regulate oxygen affinity and tissue construct oxygenation. <i>PLoS ONE</i> , 2017, 12, e0185988.	1.1	20
105	Isovolemic exchange transfusion with increasing concentrations of low oxygen affinity hemoglobin solution limits oxygen delivery due to vasoconstriction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H2212-H2218.	1.5	19
106	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
107	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
108	Oxygen delivery during extreme anemia with ultra-pure earthworm hemoglobin. <i>Life Sciences</i> , 2012, 91, 852-859.	2.0	19

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109	Cerebral tissue oxygenation impairment during experimental cerebral malaria. <i>Virulence</i> , 2013, 4, 686-697.	1.8	19
110	Implications Enzymatic Degradation of the Endothelial Glycocalyx on the Microvascular Hemodynamics and the Arteriolar Red Cell Free Layer of the Rat Cremaster Muscle. <i>Frontiers in Physiology</i> , 2018, 9, 168.	1.3	19
111	The vascular wall as a regulator of tissue oxygenation. <i>Current Opinion in Nephrology and Hypertension</i> , 2006, 15, 67-71.	1.0	18
112	Deferoxamine Lowers Tissue Damage After 80% Exchange Transfusion with Polymerized Hemoglobin. <i>Antioxidants and Redox Signaling</i> , 2007, 9, 375-384.	2.5	18
113	Perfluorocarbon in Microcirculation During Ischemia Reperfusion. <i>Journal of the American College of Surgeons</i> , 2007, 204, 225-235.	0.2	18
114	Delaying Blood Transfusion in Experimental Acute Anemia with a Perfluorocarbon Emulsion. <i>Anesthesiology</i> , 2011, 114, 901-911.	1.3	18
115	Integration of cardiovascular regulation by the blood/endothelium cell-free layer. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2011, 3, 458-470.	6.6	18
116	Effect of deformability difference between two erythrocytes on their aggregation. <i>Physical Biology</i> , 2013, 10, 036001.	0.8	18
117	Examining and Mitigating Acellular Hemoglobin Vasoactivity. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 2329-2341.	2.5	18
118	RRx-001 protects against cisplatin-induced toxicities. <i>Journal of Cancer Research and Clinical Oncology</i> , 2017, 143, 1671-1677.	1.2	18
119	Resuscitation from hemorrhagic shock after traumatic brain injury with polymerized hemoglobin. <i>Scientific Reports</i> , 2021, 11, 2509.	1.6	18
120	Polyethylene Glycol Camouflaged Earthworm Hemoglobin. <i>PLoS ONE</i> , 2017, 12, e0170041.	1.1	18
121	Microhemodynamic parameters quantification from intravital microscopy videos. <i>Physiological Measurement</i> , 2014, 35, 351-367.	1.2	17
122	Inflammatory response to implantation of transparent nanocrystalline yttria-stabilized zirconia using a dorsal window chamber model. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 1757-1763.	1.7	17
123	Brief report: RRx-001 is a c-Myc inhibitor that targets cancer stem cells. <i>Oncotarget</i> , 2018, 9, 23439-23442.	0.8	17
124	Oxygen release from arterioles with normal flow and no-flow conditions. <i>Journal of Applied Physiology</i> , 2006, 100, 1569-1576.	1.2	16
125	Impact of Enzymatic Degradation of the Endothelial Glycocalyx on Vascular Permeability in an Awake Hamster Model. <i>Critical Care Research and Practice</i> , 2012, 2012, 1-8.	0.4	16
126	Partial Response to Platinum Doublets in Refractory EGFR-Positive Non-Small Cell Lung Cancer Patients after RRx-001: Evidence of Episensitization. <i>Case Reports in Oncology</i> , 2016, 9, 62-67.	0.3	16

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127	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
128	Discovery of RRx-001, a Myc and CD47 Downregulating Small Molecule with Tumor Targeted Cytotoxicity and Healthy Tissue Cytoprotective Properties in Clinical Development. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 7261-7271.	2.9	16
129	HBOC Vasoactivity: Interplay Between Nitric Oxide Scavenging and Capacity to Generate Bioactive Nitric Oxide Species. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 2284-2297.	2.5	16
130	Rockets, radiosensitizers, and RRx-001: an origin story part I. <i>Discovery Medicine</i> , 2016, 21, 173-80.	0.5	16
131	RRx-001, a novel clinical-stage chemosensitizer, radiosensitizer, and immunosensitizer, inhibits glucose 6-phosphate dehydrogenase in human tumor cells. <i>Discovery Medicine</i> , 2016, 21, 251-65.	0.5	16
132	Pegylated hemoglobins mechanisms to avoid vasoconstriction and maintain perfusion. <i>Transfusion Alternatives in Transfusion Medicine</i> , 2007, 9, 281-293.	0.2	15
133	Synthesis and biophysical properties of polymerized human serum albumin. <i>Biotechnology Progress</i> , 2011, 27, 290-296.	1.3	15
134	From METS to malaria: RRx-001, a multi-faceted anticancer agent with activity in cerebral malaria. <i>Malaria Journal</i> , 2015, 14, 218.	0.8	15
135	Impact of hemoglobin nitrite to nitric oxide reductase on blood transfusion for resuscitation from hemorrhagic shock. <i>Asian Journal of Transfusion Science</i> , 2015, 9, 55.	0.1	15
136	A look inside the mechanistic black box: Are red blood cells the critical effectors of RRx-001 cytotoxicity?. <i>Medical Oncology</i> , 2016, 33, 63.	1.2	15
137	Immune Reactivity and Pseudoprogression or Tumor Flare in a Serially Biopsied Neuroendocrine Patient Treated with the Epigenetic Agent RRx-001. <i>Case Reports in Oncology</i> , 2016, 9, 164-170.	0.3	15
138	Resuscitation From Hemorrhagic Shock With Fresh and Stored Blood and Polymerized Hemoglobin. <i>Shock</i> , 2020, 54, 464-473.	1.0	15
139	A Review on Microvascular Hemodynamics. <i>Critical Care Clinics</i> , 2020, 36, 293-305.	1.0	15
140	Terminal Lymphatics: The Potential "Lethal Corner" in the Distribution of Tissue pO ₂ . <i>Lymphatic Research and Biology</i> , 2007, 5, 159-168.	0.5	14
141	Oxygen-carrying blood substitutes: a microvascular perspective. <i>Expert Opinion on Biological Therapy</i> , 2004, 4, 1147-1157.	1.4	13
142	Blood viscosity: A factor in tissue survival?*. <i>Critical Care Medicine</i> , 2005, 33, 1662-1663.	0.4	13
143	Effects of plasma viscosity modulation on cardiac function during moderate hemodilution. <i>Asian Journal of Transfusion Science</i> , 2010, 4, 102.	0.1	13
144	Hemorheological implications of perfluorocarbon based oxygen carrier interaction with colloid plasma expanders and blood. <i>Biotechnology Progress</i> , 2013, 29, 796-807.	1.3	13

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145	Flushing Out Carcinoid Syndrome: Beneficial Effect of the Anticancer Epigenetic Agent RRx-001 in a Patient with a Treatment-Refractory Neuroendocrine Tumor. <i>Case Reports in Oncology</i> , 2015, 8, 461-465.	0.3	13
146	The macrophage stimulating anti-cancer agent, RRx-001, protects against ischemia-reperfusion injury. <i>Expert Review of Hematology</i> , 2017, 10, 575-582.	1.0	13
147	Increased Hemoglobin Oxygen Affinity With 5-Hydroxymethylfurfural Supports Cardiac Function During Severe Hypoxia. <i>Frontiers in Physiology</i> , 2019, 10, 1350.	1.3	13
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