John D Roback

List of Publications by Year in Descending Order

99 papers	2,601 citations	22 h-index	50 g-index
108 ext. papers	3,417 ext. citations	5.2 avg, IF	5.74 L-index

#	Paper	IF	Citations
99	Determinants of Neutralizing Antibody Response After SARS CoV-2 Vaccination in Patients With Myeloma.. *Journal of Clinical Oncology*, **2022**, JCO2102257	2.2	3
98	371. Estimating SARS-CoV-2 Seroprevalence from Spent Blood Samples, January–March 2021. *Open Forum Infectious Diseases*, **2021**, 8, S287-S288	1	
97	Erythropoietic properties of human induced pluripotent stem cells-derived red blood cells in immunodeficient mice. *American Journal of Hematology*, **2021**, 97, 194	7.1	4
96	Donor Plasmacytoid Dendritic Cells Regulate GvHD in a VIP Dependent Manner in Allogeneic BMT Recipients. *Blood*, **2021**, 138, 1687-1687	2.2	
95	The SARS-CoV-2 receptor-binding domain preferentially recognizes blood group A. *Blood Advances*, **2021**, 5, 1305-1309	7.8	37
94	Comparison of Antibody Class-Specific SARS-CoV-2 Serologies for the Diagnosis of Acute COVID-19. *Journal of Clinical Microbiology*, **2021**, 59,	9.7	13
93	Marginal zone B cells mediate a CD4 T-cell-dependent extrafollicular antibody response following RBC transfusion in mice. *Blood*, **2021**, 138, 706-721	2.2	8
92	Are We Forgetting About IgA? A Re-examination of Coronavirus Disease 2019 Convalescent Plasma. *Transfusion*, **2021**, 61, 1740-1748	2.9	5
91	One-Stop Serum Assay Identifies COVID-19 Disease Severity and Vaccination Responses. *ImmunoHorizons*, **2021**, 5, 322-335	2.7	8
90	BMI1 enables extensive expansion of functional erythroblasts from human peripheral blood mononuclear cells. *Molecular Therapy*, **2021**, 29, 1918-1932	11.7	4
89	Quantification of Occupational and Community Risk Factors for SARS-CoV-2 Seropositivity Among Health Care Workers in a Large U.S. Health Care System. *Annals of Internal Medicine*, **2021**, 174, 649-654	8	29
88	COVID-19 convalescent plasma donor recruitment experience from the perspective of a hospital transfusion medicine service. *Transfusion*, **2021**, 61, 2213-2215	2.9	
87	Daratumumab: Beyond Multiple Myeloma. *Transfusion Medicine Reviews*, **2021**, 35, 36-43	7.4	0
86	Therapeutic plasma exchange for COVID-19-associated hyperviscosity. *Transfusion*, **2021**, 61, 1029-1034	2.9	21
85	Development of iron deficiency anemia in patients undergoing extracorporeal photopheresis: Comparison of the UVAR and CELLEX instruments. *Journal of Clinical Apheresis*, **2021**, 36, 34-40	3.2	1
84	Covid-19 will not "magically disappear": Why access to widespread testing is paramount. *American Journal of Hematology*, **2021**, 96, 174-178	7.1	3
83	Refractory thrombotic thrombocytopenic purpura related to checkpoint inhibitor immunotherapy. *Transfusion*, **2021**, 61, 322-328	2.9	5

82	An open-source python library for detection of known and novel Kell, Duffy and Kidd variants from exome sequencing. *Vox Sanguinis*, **2021**, 116, 451-463	3.1	0
81	Mizuho hemoglobinopathy, presenting with severe hemolytic anemia and multisystem organ failure secondary to exertion. *Transfusion*, **2021**, 61, 1996-1997	2.9	1
80	The need for new test verification and regulatory support for innovative diagnostics. *Nature Biotechnology*, **2021**, 39, 1060-1062	44.5	1
79	Association of Blood Donor Sex and Age With Outcomes in Very Low-Birth-Weight Infants Receiving Blood Transfusion. *JAMA Network Open*, **2021**, 4, e2123942	10.4	1
78	Antigen density dictates RBC clearance, but not antigen modulation, following incompatible RBC transfusion in mice. *Blood Advances*, **2021**, 5, 527-538	7.8	3
77	NIH Workshop 2018: Towards Minimally Invasive or Noninvasive Approaches to Assess Tissue Oxygenation Pre- and Post-transfusion. *Transfusion Medicine Reviews*, **2021**, 35, 46-55	7.4	2
76	Automated Serum Protein Electrophoresis Interpretation Using Machine Learning-Based Algorithm for Paraprotein Detection. *American Journal of Clinical Pathology*, **2020**, 154, S7-S8	1.9	2
75	Rapid Generation of Neutralizing Antibody Responses in COVID-19 Patients. *Cell Reports Medicine*, **2020**, 1, 100040	18	268
74	Electronic charting of transfusion medicine consults: implementation, challenges and opportunities. *Vox Sanguinis*, **2020**, 115, 443-450	3.1	
73	Convalescent Plasma: Therapeutic Hope or Hopeless Strategy in the SARS-CoV-2 Pandemic. *Transfusion Medicine Reviews*, **2020**, 34, 145-150	7.4	47
72	Characteristics of in Vitro Differentiated Erythrocytes Derived from Human Bmi-1 Extensively Expanded Erythroblasts (E3). *Blood*, **2020**, 136, 30-30	2.2	
71	Effective Erythropoiesis from Human iPSC-Derived RBC in Immunodeficient Mice. *Blood*, **2020**, 136, 42-42	2.2	
70	Efficient Enucleation and In Vivo Circulation of Differentiated Human Erythroblasts Derived from Peripheral Blood Mononuclear Cells after Extensive Expansion. *Blood*, **2020**, 136, 23-24	2.2	
69	Quantification of occupational and community risk factors for SARS-CoV-2 seropositivity among healthcare workers in a large U.S. healthcare system **2020**,		5
68	How do I implement diagnostic management teams in transfusion medicine?. *Transfusion*, **2020**, 60, 237-244	2.9	2
67	COVID-19 convalescent plasma clears SARS-CoV-2 refractory to remdesivir in an infant with congenital heart disease. *Blood Advances*, **2020**, 4, 4278-4281	7.8	18
66	Passenger Lymphocyte Syndrome; a Review of the Diagnosis, Treatment, and Proposed Detection Protocol. *Transfusion Medicine Reviews*, **2020**, 34, 178-187	7.4	4
65	The making of a grans fan. *Transfusion*, **2019**, 59, 3288-3289	2.9	

64	Challenges in preventing and treating hemolytic complications associated with red blood cell transfusion. *Transfusion Clinique Et Biologique*, **2019**, 26, 130-134	1.9	10
63	Using an old test for new tricks: Measuring direct oral anti-Xa drug levels by conventional heparin-calibrated anti-Xa assay. *American Journal of Hematology*, **2019**, 94, E132-E134	7.1	9
62	Enteral iron supplementation, red blood cell transfusion, and risk of bronchopulmonary dysplasia in very-low-birth-weight infants. *Transfusion*, **2019**, 59, 1675-1682	2.9	8
61	A Sticky Situation: Poor Correlation Between Platelet Inhibition Assays. *American Journal of Clinical Pathology*, **2019**, 152, S5-S6	1.9	
60	Diagnostic Management Team: Platelet Refractory Algorithm and Consult. *American Journal of Clinical Pathology*, **2019**, 152, S6-S6	1.9	
59	Examining the Role of Complement in Predicting, Preventing, and Treating Hemolytic Transfusion Reactions. *Transfusion Medicine Reviews*, **2019**, 33, 217-224	7.4	15
58	Differences in Steap3 expression are a mechanism of genetic variation of RBC storage and oxidative damage in mice. *Blood Advances*, **2019**, 3, 2272-2285	7.8	29
57	Existing and Emerging Blood-Borne Pathogens: Impact on the Safety of Blood Transfusion for the Hematology/Oncology Patient. *Hematology/Oncology Clinics of North America*, **2019**, 33, 739-748	3.1	3
56	Quantitative phase imaging of erythrocytes under microfluidic constriction in a high refractive index medium reveals water content changes. *Microsystems and Nanoengineering*, **2019**, 5, 63	7.7	10
55	RBC Transfusion Strategies in the ICU: A Concise Review. *Critical Care Medicine*, **2019**, 47, 1637-1644	1.4	16
54	Multiple hemolytic transfusion reactions misinterpreted as severe vaso-occlusive crisis in a patient with sickle cell disease. *Transfusion*, **2019**, 59, 448-453	2.9	9
53	Integrated automated particle tracking microfluidic enables high-throughput cell deformability cytometry for red cell disorders. *American Journal of Hematology*, **2019**, 94, 189-199	7.1	8
52	Angiogenin-mediated tRNA cleavage as a novel feature of stored red blood cells. *British Journal of Haematology*, **2019**, 185, 760-764	4.5	5
51	Observational study of cytomegalovirus from breast milk and necrotising enterocolitis. *Archives of Disease in Childhood: Fetal and Neonatal Edition*, **2019**,	4.7	7
50	Critical developments of 2017: a review of the literature from selected topics in transfusion. A committee report from the AABB Clinical Transfusion Medicine Committee. *Transfusion*, **2018**, 58, 1065-1075	2.9	2
49	Transfusion-Transmitted Infections: an Update on Product Screening, Diagnostic Techniques, and the Path Ahead. *Journal of Clinical Microbiology*, **2018**, 56,	9.7	24
48	Hemoglobin A clearance in children with sickle cell anemia on chronic transfusion therapy. *Transfusion*, **2018**, 58, 1363-1371	2.9	9
47	Glucose-6-phosphate-dehydrogenase deficient red blood cell units are associated with decreased posttransfusion red blood cell survival in children with sickle cell disease. *American Journal of Hematology*, **2018**, 93, 630-634	7.1	18

46	Trends in transfusion rates after the FOCUS trial. *Journal of Comparative Effectiveness Research*, **2018**, 7, 113-120	2.1	3
45	Does red blood cell irradiation and/or anemia trigger intestinal injury in premature infants with birth weight 1250 g? An observational birth cohort study. *BMC Pediatrics*, **2018**, 18, 270	2.6	5
44	Stability of anti-A blood group titers among blood group B renal transplant candidates. *Transfusion*, **2018**, 58, 2747-2751	2.9	3
43	Testing for Platelet Refractoriness: Optimizing Testing Algorithms. *American Journal of Clinical Pathology*, **2018**, 150, S151-S151	1.9	3
42	Current Evidence for the Use of Prophylactic Transfusion to Treat Sickle Cell Disease During Pregnancy. *Transfusion Medicine Reviews*, **2018**, 32, 220-224	7.4	4
41	Genotyping Applications for Transplantation and Transfusion Management: The Emory Experience. *Archives of Pathology and Laboratory Medicine*, **2017**, 141, 329-340	5	18
40	The Role of the Laboratory and Transfusion Service in the Management of Ebola Virus Disease. *Transfusion Medicine Reviews*, **2017**, 31, 149-153	7.4	4
39	Daratumumab (anti-CD38) induces loss of CD38 on red blood cells. *Blood*, **2017**, 129, 3033-3037	2.2	47
38	Cytomegalovirus-safe blood: the unclear effect of sickle hemoglobin. *Transfusion*, **2017**, 57, 1582-1583	2.9	
37	Impacts of New Concepts and Technologies on the Practice of Diagnostic Pathology: An Emory University Perspective. *Archives of Pathology and Laboratory Medicine*, **2017**, 141, 325-328	5	1
36	Pleomorphic Structures in Human Blood Are Red Blood Cell-Derived Microparticles, Not Bacteria. *PLoS ONE*, **2016**, 11, e0163582	3.7	6
35	AABB Committee Report: reducing transfusion-transmitted cytomegalovirus infections. *Transfusion* , **2016**, 56, 1581-7	2.9	20
34	Metabolic pathways that correlate with post-transfusion circulation of stored murine red blood cells. *Haematologica*, **2016**, 101, 578-86	6.6	51
33	Association of Red Blood Cell Transfusion, Anemia, and Necrotizing Enterocolitis in Very Low-Birth-Weight Infants. *JAMA - Journal of the American Medical Association*, **2016**, 315, 889-97	27.4	157
32	Clinical Practice Guidelines From the AABB: Red Blood Cell Transfusion Thresholds and Storage. *JAMA - Journal of the American Medical Association*, **2016**, 316, 2025-2035	27.4	557
31	Lyle T. Sinor, PhD: May 24, 1957-January 12, 2015. *Transfusion*, **2015**, 55, 1135	2.9	
30	Effect of storage-aged red blood cell transfusions on endothelial function in healthy subjects. *Transfusion*, **2015**, 55, 2768-70	2.9	4
29	Effects of storage-aged red blood cell transfusions on endothelial function in hospitalized patients. *Transfusion*, **2015**, 55, 782-90	2.9	21

28	New Insights in the Potential Effect of Transfusing Red Blood Cells that Have Been Stored for Different Periods. *Blood*, **2015**, 126, SCI-37-SCI-37	2.2	1
27	Metabolomics of ADSOL (AS-1) red blood cell storage. *Transfusion Medicine Reviews*, **2014**, 28, 41-55	7.4	68
26	The value of area-based analyses of donation patterns for recruitment strategies. *Transfusion*, **2014** , 54, 3051-60	2.9	8
25	Blood transfusion and breast milk transmission of cytomegalovirus in very low-birth-weight infants: a prospective cohort study. *JAMA Pediatrics*, **2014**, 168, 1054-62	8.3	104
24	Epidemiological Profiles of Foreign-Born and US-Born Hispanic Blood Donors in a Major Metropolitan Area in the United States. *Journal of Blood Transfusion*, **2012**, 2012, 820514		3
23	Evidence-based guidelines for blood transfusion. *Journal of Infusion Nursing*, **2012**, 35, 187-90	1	2
22	Insufficient nitric oxide bioavailability: a hypothesis to explain adverse effects of red blood cell transfusion. *Transfusion*, **2011**, 51, 859-66	2.9	51
21	Vascular effects of the red blood cell storage lesion. *Hematology American Society of Hematology Education Program*, **2011**, 2011, 475-9	3.1	41
20	Flagellin, a TLR5 Agonist, Reduces GvHD in Allogeneic HSCT Recipients While Enhancing Anti-Viral Immunity: A Novel Therapeutic Approach. *Blood*, **2011**, 118, 144-144	2.2	
19	Evidence-based practice guidelines for plasma transfusion. *Transfusion*, **2010**, 50, 1227-39	2.9	222
18	Prophylactic Use of Flagellin: A Novel Method to Boost Immune Reconstitution in Allogeneic HSCT Recipients with Limited GvHD.. *Blood*, **2009**, 114, 3561-3561	2.2	
17	Flagellin, a TLR5 Agonist, Down-Regulate CD62L on Donor T Cells and Limit GvHD in Allogeneic Hematopoietic Stem Cell Transplantation. *Blood*, **2008**, 112, 3521-3521	2.2	
16	Transfusion-transmitted cytomegalovirus: lessons from a murine model. *Transfusion Medicine Reviews*, **2007**, 21, 26-36	7.4	15
15	Inactivation of Infectious CMV in Platelet Products: Comparison of INTERCEPT Blood System and Leukofiltration.. *Blood*, **2007**, 110, 2886-2886	2.2	
14	The role of photochemical treatment with amotosalen and UV-A light in the prevention of transfusion-transmitted cytomegalovirus infections. *Transfusion Medicine Reviews*, **2006**, 20, 45-56	7.4	31
13	Transfusion-transmitted cytomegalovirus (CMV) infections in a murine model: characterization of CMV-infected donor mice. *Transfusion*, **2006**, 46, 889-95	2.9	7
12	Comparison of cytomegalovirus polymerase chain reaction and serology for screening umbilical cord blood components. *Transfusion*, **2005**, 45, 1722-8	2.9	8
11	Host Inflammation Increases Alloimmunization to Transfused Red Blood Cells.. *Blood*, **2005**, 106, 1887-1887		

10	Live-Attenuated and Novel Non-Replicating Listeria Vaccines Encoding CMV Antigen Produce Persistent Functional Antiviral Immunity.. *Blood*, **2005**, 106, 575-575	2.2	
9	Effects of Amotosalen Hydrochloride and Ultraviolet a Light on CD4 and CD8 Cells.. *Blood*, **2004**, 104, 4981-4981	2.2	
8	MCMV Infection Lowers the Threshold for the Development of Clinical GvHD after Allogeneic Bone Marrow Transplantation.. *Blood*, **2004**, 104, 2125-2125	2.2	
7	Immunization with Live-Attenuated Listeria Encoding CMV Antigen Induces Extensive Expansion of CMV-Specific CD8+ T-Cells Following HSCT: An Alternative to Adoptive Antiviral Immunotherapy.. *Blood*, **2004**, 104, 2129-2129	2.2	
6	Allogeneic T cells treated with amotosalen prevent lethal cytomegalovirus disease without producing graft-versus-host disease following bone marrow transplantation. *Journal of Immunology* , **2003**, 171, 6023-31	5.3	23
5	CMV DNA is rarely detected in healthy blood donors using validated PCR assays. *Transfusion*, **2003**, 43, 314-21	2.9	59
4	An automatable format for accurate immunohematology testing by flow cytometry. *Transfusion*, **2003**, 43, 918-27	2.9	32
3	CMV and blood transfusions. *Reviews in Medical Virology*, **2002**, 12, 211-9	11.7	58
2	Multicenter evaluation of PCR methods for detecting CMV DNA in blood donors. *Transfusion*, **2001**, 41, 1249-57	2.9	49
1	Recombinant human CD40 ligand inhibits simian immunodeficiency virus replication: a role for interleukin- 16. *Journal of Medical Primatology*, **1999**, 28, 190-4	0.7	4