

John D Roback

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

4,032
citations

201674

27
h-index

128289

60
g-index

108
all docs

108
docs citations

108
times ranked

6518
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical Practice Guidelines From the AABB. JAMA - Journal of the American Medical Association, 2016, 316, 2025.	7.4	871
2	Rapid Generation of Neutralizing Antibody Responses in COVID-19 Patients. Cell Reports Medicine, 2020, 1, 100040.	6.5	421
3	Evidence-based practice guidelines for plasma transfusion. Transfusion, 2010, 50, 1227-1239.	1.6	269
4	Convalescent Plasma to Treat COVID-19. JAMA - Journal of the American Medical Association, 2020, 323, 1561.	7.4	268
5	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.	7.4	227
6	Blood Transfusion and Breast Milk Transmission of Cytomegalovirus in Very Low-Birth-Weight Infants. JAMA Pediatrics, 2014, 168, 1054.	6.2	139
7	Metabolomics of ADSOL (AS-1) Red Blood Cell Storage. Transfusion Medicine Reviews, 2014, 28, 41-55.	2.0	83
8	The SARS-CoV-2 receptor-binding domain preferentially recognizes blood group A. Blood Advances, 2021, 5, 1305-1309.	5.2	83
9	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.	3.9	77
10	CMV and blood transfusions. Reviews in Medical Virology, 2002, 12, 211-219.	8.3	74
11	Daratumumab (anti-CD38) induces loss of CD38 on red blood cells. Blood, 2017, 129, 3033-3037.	1.4	71
12	Metabolic pathways that correlate with post-transfusion circulation of stored murine red blood cells. Haematologica, 2016, 101, 578-586.	3.5	69
13	Convalescent Plasma: Therapeutic Hope or Hopeless Strategy in the SARS-CoV-2 Pandemic. Transfusion Medicine Reviews, 2020, 34, 145-150.	2.0	68
14	CMV DNA is rarely detected in healthy blood donors using validated PCR assays. Transfusion, 2003, 43, 314-321.	1.6	66
15	Differences in Steap3 expression are a mechanism of genetic variation of RBC storage and oxidative damage in mice. Blood Advances, 2019, 3, 2272-2285.	5.2	65
16	Multicenter evaluation of PCR methods for detecting CMV DNA in blood donors. Transfusion, 2001, 41, 1249-1257.	1.6	62
17	Insufficient nitric oxide bioavailability: a hypothesis to explain adverse effects of red blood cell transfusion. Transfusion, 2011, 51, 859-866.	1.6	62
18	Vascular Effects of the Red Blood Cell Storage Lesion. Hematology American Society of Hematology Education Program, 2011, 2011, 475-479.	2.5	50

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19	Therapeutic plasma exchange for <sc>COVID-19-associated</sc> hyperviscosity. <i>Transfusion</i> , 2021, 61, 1029-1034.	1.6	47
20	Transfusion-Transmitted Infections: an Update on Product Screening, Diagnostic Techniques, and the Path Ahead. <i>Journal of Clinical Microbiology</i> , 2018, 56, .	3.9	40
21	RBC Transfusion Strategies in the ICU: A Concise Review. <i>Critical Care Medicine</i> , 2019, 47, 1637-1644.	0.9	39
22	The Role of Photochemical Treatment With Amotosalen and UV-A Light in the Prevention of Transfusion-Transmitted Cytomegalovirus Infections. <i>Transfusion Medicine Reviews</i> , 2006, 20, 45-56.	2.0	36
23	An automatable format for accurate immunohematology testing by flow cytometry. <i>Transfusion</i> , 2003, 43, 918-927.	1.6	35
24	Glucose-6-phosphate dehydrogenase deficient red blood cell units are associated with decreased posttransfusion red blood cell survival in children with sickle cell disease. <i>American Journal of Hematology</i> , 2018, 93, 630-634.	4.1	34
25	Marginal zone B cells mediate a CD4 T-cell-dependent extrafollicular antibody response following RBC transfusion in mice. <i>Blood</i> , 2021, 138, 706-721.	1.4	34
26	Effects of storage-aged red blood cell transfusions on endothelial function in hospitalized patients. <i>Transfusion</i> , 2015, 55, 782-790.	1.6	33
27	AABB Committee Report: reducing transfusion-transmitted cytomegalovirus infections. <i>Transfusion</i> , 2016, 56, 1581-1587.	1.6	33
28	Determinants of Neutralizing Antibody Response After SARS CoV-2 Vaccination in Patients With Myeloma. <i>Journal of Clinical Oncology</i> , 2022, 40, 3057-3064.	1.6	31
29	Allogeneic T Cells Treated with Amotosalen Prevent Lethal Cytomegalovirus Disease without Producing Graft-versus-Host Disease Following Bone Marrow Transplantation. <i>Journal of Immunology</i> , 2003, 171, 6023-6031.	0.8	26
30	Enteral iron supplementation, red blood cell transfusion, and risk of bronchopulmonary dysplasia in very-low-birth-weight infants. <i>Transfusion</i> , 2019, 59, 1675-1682.	1.6	26
31	Integrated automated particle tracking microfluidic enables high-throughput cell deformability cytometry for red cell disorders. <i>American Journal of Hematology</i> , 2019, 94, 189-199.	4.1	26
32	Examining the Role of Complement in Predicting, Preventing, and Treating Hemolytic Transfusion Reactions. <i>Transfusion Medicine Reviews</i> , 2019, 33, 217-224.	2.0	23
33	COVID-19 convalescent plasma clears SARS-CoV-2 refractory to remdesivir in an infant with congenital heart disease. <i>Blood Advances</i> , 2020, 4, 4278-4281.	5.2	23
34	Passenger Lymphocyte Syndrome; a Review of the Diagnosis, Treatment, and Proposed Detection Protocol. <i>Transfusion Medicine Reviews</i> , 2020, 34, 178-187.	2.0	23
35	Comparison of Antibody Class-Specific SARS-CoV-2 Serologies for the Diagnosis of Acute COVID-19. <i>Journal of Clinical Microbiology</i> , 2021, 59, .	3.9	23
36	Genotyping Applications for Transplantation and Transfusion Management: The Emory Experience. <i>Archives of Pathology and Laboratory Medicine</i> , 2017, 141, 329-340.	2.5	22

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37	Quantitative phase imaging of erythrocytes under microfluidic constriction in a high refractive index medium reveals water content changes. <i>Microsystems and Nanoengineering</i> , 2019, 5, 63.	7.0	22
38	Refractory thrombotic thrombocytopenic purpura related to checkpoint inhibitor immunotherapy. <i>Transfusion</i> , 2021, 61, 322-328.	1.6	20
39	Association of Blood Donor Sex and Age With Outcomes in Very Low-Birth-Weight Infants Receiving Blood Transfusion. <i>JAMA Network Open</i> , 2021, 4, e2123942.	5.9	20
40	Transfusion-Transmitted Cytomegalovirus: Lessons From a Murine Model. <i>Transfusion Medicine Reviews</i> , 2007, 21, 26-36.	2.0	19
41	New insights for preventing transfusion-associated viral infections. <i>Transfusion</i> , 2013, 53, 2112-2116.	1.6	19
42	Hemoglobin A clearance in children with sickle cell anemia on chronic transfusion therapy. <i>Transfusion</i> , 2018, 58, 1363-1371.	1.6	19
43	One-Stop Serum Assay Identifies COVID-19 Disease Severity and Vaccination Responses. <i>ImmunoHorizons</i> , 2021, 5, 322-335.	1.8	19
44	Observational study of cytomegalovirus from breast milk and necrotising enterocolitis. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2020, 105, 259-265.	2.8	18
45	Multiple hemolytic transfusion reactions misinterpreted as severe vaso-occlusive crisis in a patient with sickle cell disease. <i>Transfusion</i> , 2019, 59, 448-453.	1.6	16
46	Are We Forgetting About IgA? A Re-examination of Coronavirus Disease 2019 Convalescent Plasma. <i>Transfusion</i> , 2021, 61, 1740-1748.	1.6	16
47	The Serological Sciences Network (SeroNet) for COVID-19: Depth and Breadth of Serology Assays and Plans for Assay Harmonization. <i>MSphere</i> , 2022, 7, .	2.9	16
48	Challenges in preventing and treating hemolytic complications associated with red blood cell transfusion. <i>Transfusion Clinique Et Biologique</i> , 2019, 26, 130-134.	0.4	14
49	The pillars of patient blood management: key to successful implementation (Article, p. 2840). <i>Transfusion</i> , 2019, 59, 2763-2767.	1.6	13
50	Using an old test for new tricks: Measuring direct oral anti-Xa drug levels by conventional heparin-calibrated anti-Xa assay. <i>American Journal of Hematology</i> , 2019, 94, E132-E134.	4.1	13
51	Pleomorphic Structures in Human Blood Are Red Blood Cell-Derived Microparticles, Not Bacteria. <i>PLoS ONE</i> , 2016, 11, e0163582.	2.5	13
52	The value of area-based analyses of donation patterns for recruitment strategies. <i>Transfusion</i> , 2014, 54, 3051-3060.	1.6	12
53	BMI1 enables extensive expansion of functional erythroblasts from human peripheral blood mononuclear cells. <i>Molecular Therapy</i> , 2021, 29, 1918-1932.	8.2	11
54	Antigen density dictates RBC clearance, but not antigen modulation, following incompatible RBC transfusion in mice. <i>Blood Advances</i> , 2021, 5, 527-538.	5.2	11

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55	Clodronate inhibits alloimmunization against distinct red blood cell alloantigens in mice. <i>Transfusion</i> , 2022, 62, 948-953.	1.6	10
56	Comparison of cytomegalovirus polymerase chain reaction and serology for screening umbilical cord blood components. <i>Transfusion</i> , 2005, 45, 1722-1728.	1.6	8
57	Transfusion-transmitted cytomegalovirus (CMV) infections in a murine model: characterization of CMV-infected donor mice. <i>Transfusion</i> , 2006, 46, 889-895.	1.6	8
58	Angiogenin-mediated tRNA cleavage as a novel feature of stored red blood cells. <i>British Journal of Haematology</i> , 2019, 185, 760-764.	2.5	8
59	Daratumumab: Beyond Multiple Myeloma. <i>Transfusion Medicine Reviews</i> , 2021, 35, 36-43.	2.0	8
60	Erythropoietic properties of human induced pluripotent stem cells-derived red blood cells in immunodeficient mice. <i>American Journal of Hematology</i> , 2022, 97, 194-202.	4.1	8
61	Does red blood cell irradiation and/or anemia trigger intestinal injury in premature infants with birth weight $\leq 1250\text{g}$? An observational birth cohort study. <i>BMC Pediatrics</i> , 2018, 18, 270.	1.7	7
62	Donor plasmacytoid dendritic cells limit graft-versus-host disease through vasoactive intestinal polypeptide expression. <i>Blood</i> , 2022, 140, 1431-1447.	1.4	7
63	Effect of storage-aged red blood cell transfusions on endothelial function in healthy subjects. <i>Transfusion</i> , 2015, 55, 2768-2770.	1.6	6
64	The Role of the Laboratory and Transfusion Service in the Management of Ebola Virus Disease. <i>Transfusion Medicine Reviews</i> , 2017, 31, 149-153.	2.0	6
65	Existing and Emerging Blood-Borne Pathogens. <i>Hematology/Oncology Clinics of North America</i> , 2019, 33, 739-748.	2.2	6
66	How do I implement diagnostic management teams in transfusion medicine?. <i>Transfusion</i> , 2020, 60, 237-244.	1.6	6
67	NIH Workshop 2018: Towards Minimally Invasive or Noninvasive Approaches to Assess Tissue Oxygenation Pre- and Post-transfusion. <i>Transfusion Medicine Reviews</i> , 2021, 35, 46-55.	2.0	6
68	Recombinant human CD40 ligand inhibits simian immunodeficiency virus replication: A role for interleukin-16. <i>Journal of Medical Primatology</i> , 1999, 28, 190-194.	0.6	5
69	Current Evidence for the Use of Prophylactic Transfusion to Treat Sickle Cell Disease During Pregnancy. <i>Transfusion Medicine Reviews</i> , 2018, 32, 220-224.	2.0	5
70	Development of iron deficiency anemia in patients undergoing extracorporeal photopheresis: Comparison of the UIVAR and CELLEX instruments. <i>Journal of Clinical Apheresis</i> , 2021, 36, 34-40.	1.3	5
71	Covid-19 will not magically disappear: Why access to widespread testing is paramount. <i>American Journal of Hematology</i> , 2021, 96, 174-178.	4.1	5
72	An open-source python library for detection of known and novel Kell, Duffy and Kidd variants from exome sequencing. <i>Vox Sanguinis</i> , 2021, 116, 451-463.	1.5	5

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73	Glucose-6-phosphate dehydrogenase deficiency is more prevalent in Duffy-null red blood cell transfusion in sickle cell disease. <i>Transfusion</i> , 2022, , .	1.6	5
74	Mission, Organization, and Future Direction of the Serological Sciences Network for COVID-19 (SeroNet) Epidemiologic Cohort Studies. <i>Open Forum Infectious Diseases</i> , 2022, 9, .	0.9	5
75	Epidemiological Profiles of Foreign-Born and US-Born Hispanic Blood Donors in a Major Metropolitan Area in the United States. <i>Journal of Blood Transfusion</i> , 2012, 2012, 1-7.	3.3	3
76	Trends in transfusion rates after the FOCUS trial. <i>Journal of Comparative Effectiveness Research</i> , 2018, 7, 113-120.	1.4	3
77	Stability of anti-A blood group titers among blood group B renal transplant candidates. <i>Transfusion</i> , 2018, 58, 2747-2751.	1.6	3
78	Testing for Platelet Refractoriness: Optimizing Testing Algorithms. <i>American Journal of Clinical Pathology</i> , 2018, 150, S151-S151.	0.7	3
79	Automated Serum Protein Electrophoresis Interpretation Using Machine Learning-Based Algorithm for Paraprotein Detection. <i>American Journal of Clinical Pathology</i> , 2020, 154, S7-S8.	0.7	3
80	Evidence-Based Guidelines for Blood Transfusion. <i>Journal of Infusion Nursing</i> , 2012, 35, 187-190.	2.3	2
81	Impacts of New Concepts and Technologies on the Practice of Diagnostic Pathology: An Emory University Perspective. <i>Archives of Pathology and Laboratory Medicine</i> , 2017, 141, 325-328.	2.5	2
82	Critical developments of 2017: a review of the literature from selected topics in transfusion. A committee report from the AABB Clinical Transfusion Medicine Committee. <i>Transfusion</i> , 2018, 58, 1065-1075.	1.6	2
83	Mizuho hemoglobinopathy, presenting with severe hemolytic anemia and multisystem organ failure secondary to exertion. <i>Transfusion</i> , 2021, 61, 1996-1997.	1.6	2
84	The need for new test verification and regulatory support for innovative diagnostics. <i>Nature Biotechnology</i> , 2021, 39, 1060-1062.	17.5	2
85	New Insights in the Potential Effect of Transfusing Red Blood Cells that Have Been Stored for Different Periods. <i>Blood</i> , 2015, 126, SCI-37-SCI-37.	1.4	1
86	Lyle T. Sinor, PhD: May 24, 1957-January 12, 2015. <i>Transfusion</i> , 2015, 55, 1135-1135.	1.6	0
87	Cytomegalovirus-safe blood: the unclear effect of sickle hemoglobin. <i>Transfusion</i> , 2017, 57, 1582-1583.	1.6	0
88	A Sticky Situation: Poor Correlation Between Platelet Inhibition Assays. <i>American Journal of Clinical Pathology</i> , 2019, 152, S5-S6.	0.7	0
89	Diagnostic Management Team: Platelet Refractory Algorithm and Consult. <i>American Journal of Clinical Pathology</i> , 2019, 152, S6-S6.	0.7	0
90	The making of a grant. <i>Transfusion</i> , 2019, 59, 3288-3289.	1.6	0

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91	Electronic charting of transfusion medicine consults: implementation, challenges and opportunities. Vox Sanguinis, 2020, 115, 443-450.	1.5	0
92	<scp>COVID</scp>â€19 convalescent plasma donor recruitment experience from the perspective of a hospital transfusion medicine service. Transfusion, 2021, 61, 2213-2215.	1.6	0
93	Effects of Amotosalen Hydrochloride and Ultraviolet a Light on CD4 and CD8 Cells.. Blood, 2004, 104, 4981-4981.	1.4	0
94	MCMV Infection Lowers the Threshold for the Development of Clinical GvHD after Allogeneic Bone Marrow Transplantation.. Blood, 2004, 104, 2125-2125.	1.4	0
95	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.	1.4	0
96	Host Inflammation Increases Alloimmunization to Transfused Red Blood Cells.. Blood, 2005, 106, 1887-1887.	1.4	0
97	Live-Attenuated and Novel Non-Replicating Listeria Vaccines Encoding CMV Antigen Produce Persistent Functional Antiviral Immunity.. Blood, 2005, 106, 575-575.	1.4	0
98	Inactivation of Infectious CMV in Platelet Products: Comparison of INTERCEPT Blood Systemâ„¢ and Leukofiltration.. Blood, 2007, 110, 2886-2886.	1.4	0
99	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.	1.4	0
100	Prophylactic Use of Flagellin: A Novel Method to Boost Immune Reconstitution in Allogeneic HSCT Recipients with Limited GvHD.. Blood, 2009, 114, 3561-3561.	1.4	0
101	Flagellin, a TLR5 Agonist, Reduces GvHD in Allogeneic HSCT Recipients While Enhancing Anti-Viral Immunity: A Novel Therapeutic Approach. Blood, 2011, 118, 144-144.	1.4	0
102	Donor Plasmacytoid Dendritic Cells Regulate GvHD in a VIP Dependent Manner in Allogeneic BMT Recipients. Blood, 2021, 138, 1687-1687.	1.4	0
103	Characteristics of <i>in Vitro</i> Differentiated Erythrocytes Derived from Human <i>Bmi-1</i> Extensively Expanded Erythroblasts (E3). Blood, 2020, 136, 30-30.	1.4	0
104	Effective Erythropoiesis from Human iPSC-Derived RBC in Immunodeficient Mice. Blood, 2020, 136, 42-42.	1.4	0
105	Efficient Enucleation and In Vivo Circulation of Differentiated Human Erythroblasts Derived from Peripheral Blood Mononuclear Cells after Extensive Expansion. Blood, 2020, 136, 23-24.	1.4	0
106	371. Estimating SARS-CoV-2 Seroprevalence from Spent Blood Samples, Januaryâ€“March 2021. Open Forum Infectious Diseases, 2021, 8, S287-S288.	0.9	0