# John D Roback

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Erythropoietic properties of human induced pluripotent stem cellsâ€derived red blood cells in immunodeficient mice. American Journal of Hematology, 2022, 97, 194-202. | 4.1 | 8 |
| 2 | Glucoseâ€6â€phosphate dehydrogenase deficiency is more prevalent in Duffyâ€null red blood cell transfusion in sickle cell disease. Transfusion, 2022, , . | 1.6 | 5 |
| 3 | Determinants of Neutralizing Antibody Response After SARS CoV-2 Vaccination in Patients With Myeloma. Journal of Clinical Oncology, 2022, 40, 3057-3064. | 1.6 | 31 |
| 4 | Donor plasmacytoid dendritic cells limit graft-versus-host disease through vasoactive intestinal polypeptide expression. Blood, 2022, 140, 1431-1447. | 1.4 | 7 |
| 5 | Clodronate inhibits alloimmunization against distinct red blood cell alloantigens in mice. Transfusion, 2022, 62, 948-953. | 1.6 | 10 |
| 6 | Mission, Organization, and Future Direction of the Serological Sciences Network for COVID-19 (SeroNet) Epidemiologic Cohort Studies. Open Forum Infectious Diseases, 2022, 9, . | 0.9 | 5 |
| 7 | The Serological Sciences Network (SeroNet) for COVID-19: Depth and Breadth of Serology Assays and Plans for Assay Harmonization. MSphere, 2022, 7, . | 2.9 | 16 |
| 8 | Therapeutic plasma exchange for <scp>COVIDâ€19â€associated</scp> hyperviscosity. Transfusion, 2021, 61, 1029-1034. | 1.6 | 47 |
| 9 | Development of iron deficiency anemia in patients undergoing extracorporeal photopheresis: Comparison of the <scp>UVAR</scp> and <scp>CELLEX</scp> instruments. Journal of Clinical Apheresis, 2021, 36, 34-40. | 1.3 | 5 |
| 10 | Covidâ€19 will not â€œmagically disappearâ€: Why access to widespread testing is paramount. American Journal of Hematology, 2021, 96, 174-178. | 4.1 | 5 |
| 11 | Refractory thrombotic thrombocytopenic purpura related to checkpoint inhibitor immunotherapy. Transfusion, 2021, 61, 322-328. | 1.6 | 20 |
| 12 | An openâ€source python library for detection of known and novel Kell, Duffy and Kidd variants from exome sequencing. Vox Sanguinis, 2021, 116, 451-463. | 1.5 | 5 |
| 13 | The SARS-CoV-2 receptor-binding domain preferentially recognizes blood group A. Blood Advances, 2021, 5, 1305-1309. | 5.2 | 83 |
| 14 | Comparison of Antibody Class-Specific SARS-CoV-2 Serologies for the Diagnosis of Acute COVID-19. Journal of Clinical Microbiology, 2021, 59, . | 3.9 | 23 |
| 15 | Marginal zone B cells mediate a CD4 T-cellâ€“dependent extrafollicular antibody response following RBC transfusion in mice. Blood, 2021, 138, 706-721. | 1.4 | 34 |
| 16 | Are We Forgetting About IgA? A Reâ€examination of Coronavirus Disease 2019 Convalescent Plasma. Transfusion, 2021, 61, 1740-1748. | 1.6 | 16 |
| 17 | One-Stop Serum Assay Identifies COVID-19 Disease Severity and Vaccination Responses. ImmunoHorizons, 2021, 5, 322-335. | 1.8 | 19 |
| 18 | BMI1 enables extensive expansion of functional erythroblasts from human peripheral blood mononuclear cells. Molecular Therapy, 2021, 29, 1918-1932. | 8.2 | 11 |

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|---|---|---|---|
| 19 | 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 |
| 20 | <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 |
| 21 | Daratumumab: Beyond Multiple Myeloma. Transfusion Medicine Reviews, 2021, 35, 36-43. | 2.0 | 8 |
| 22 | Mizuho hemoglobinopathy, presenting with severe hemolytic anemia and multisystem organ failure secondary to exertion. Transfusion, 2021, 61, 1996-1997. | 1.6 | 2 |
| 23 | The need for new test verification and regulatory support for innovative diagnostics. Nature Biotechnology, 2021, 39, 1060-1062. | 17.5 | 2 |
| 24 | Association of Blood Donor Sex and Age With Outcomes in Very Low-Birth-Weight Infants Receiving Blood Transfusion. JAMA Network Open, 2021, 4, e2123942. | 5.9 | 20 |
| 25 | Antigen density dictates RBC clearance, but not antigen modulation, following incompatible RBC transfusion in mice. Blood Advances, 2021, 5, 527-538. | 5.2 | 11 |
| 26 | NIH Workshop 2018: Towards Minimally Invasive or Noninvasive Approaches to Assess Tissue Oxygenation Pre- and Post-transfusion. Transfusion Medicine Reviews, 2021, 35, 46-55. | 2.0 | 6 |
| 27 | Donor Plasmacytoid Dendritic Cells Regulate GvHD in a VIP Dependent Manner in Allogeneic BMT Recipients. Blood, 2021, 138, 1687-1687. | 1.4 | 0 |
| 28 | 371. Estimating SARS-CoV-2 Seroprevalence from Spent Blood Samples, Januaryâ€“March 2021. Open Forum Infectious Diseases, 2021, 8, S287-S288. | 0.9 | 0 |
| 29 | Observational study of cytomegalovirus from breast milk and necrotising enterocolitis. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2020, 105, 259-265. | 2.8 | 18 |
| 30 | How do I â€¦ implement diagnostic management teams in transfusion medicine?. Transfusion, 2020, 60, 237-244. | 1.6 | 6 |
| 31 | COVID-19 convalescent plasma clears SARS-CoV-2 refractory to remdesivir in an infant with congenital heart disease. Blood Advances, 2020, 4, 4278-4281. | 5.2 | 23 |
| 32 | Passenger Lymphocyte Syndrome; a Review of the Diagnosis, Treatment, and Proposed Detection Protocol. Transfusion Medicine Reviews, 2020, 34, 178-187. | 2.0 | 23 |
| 33 | Automated Serum Protein Electrophoresis Interpretation Using Machine Learning-Based Algorithm for Paraprotein Detection. American Journal of Clinical Pathology, 2020, 154, S7-S8. | 0.7 | 3 |
| 34 | Rapid Generation of Neutralizing Antibody Responses in COVID-19 Patients. Cell Reports Medicine, 2020, 1, 100040. | 6.5 | 421 |
| 35 | Electronic charting of transfusion medicine consults: implementation, challenges and opportunities. Vox Sanguinis, 2020, 115, 443-450. | 1.5 | 0 |
| 36 | Convalescent Plasma to Treat COVID-19. JAMA - Journal of the American Medical Association, 2020, 323, 1561. | 7.4 | 268 |

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|---|---|---|---|
| 37 | Convalescent Plasma: Therapeutic Hope or Hopeless Strategy in the SARS-CoV-2 Pandemic. Transfusion Medicine Reviews, 2020, 34, 145-150. | 2.0 | 68 |
| 38 | Characteristics of in Vitro Differentiated Erythrocytes Derived from Human Bmi-1 Extensively Expanded Erythroblasts (E3). Blood, 2020, 136, 30-30. | 1.4 | 0 |
| 39 | Effective Erythropoiesis from Human iPSC-Derived RBC in Immunodeficient Mice. Blood, 2020, 136, 42-42. | 1.4 | 0 |
| 40 | 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 |
| 41 | A Sticky Situation: Poor Correlation Between Platelet Inhibition Assays. American Journal of Clinical Pathology, 2019, 152, S5-S6. | 0.7 | 0 |
| 42 | Diagnostic Management Team: Platelet Refractory Algorithm and Consult. American Journal of Clinical Pathology, 2019, 152, S6-S6. | 0.7 | 0 |
| 43 | Examining the Role of Complement in Predicting, Preventing, and Treating Hemolytic Transfusion Reactions. Transfusion Medicine Reviews, 2019, 33, 217-224. | 2.0 | 23 |
| 44 | The making of a grans fan. Transfusion, 2019, 59, 3288-3289. | 1.6 | 0 |
| 45 | The pillars of patient blood management: key to successful implementation (Article, p. 2840). Transfusion, 2019, 59, 2763-2767. | 1.6 | 13 |
| 46 | Challenges in preventing and treating hemolytic complications associated with red blood cell transfusion. Transfusion Clinique Et Biologique, 2019, 26, 130-134. | 0.4 | 14 |
| 47 | Using an old test for new tricks: Measuring direct oral antiâ€Xa drug levels by conventional heparinâ€calibrated antiâ€Xa assay. American Journal of Hematology, 2019, 94, E132-E134. | 4.1 | 13 |
| 48 | Enteral iron supplementation, red blood cell transfusion, and risk of bronchopulmonary dysplasia in veryâ€lowâ€birthâ€weight infants. Transfusion, 2019, 59, 1675-1682. | 1.6 | 26 |
| 49 | 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 |
| 50 | Existing and Emerging Blood-Borne Pathogens. Hematology/Oncology Clinics of North America, 2019, 33, 739-748. | 2.2 | 6 |
| 51 | Quantitative phase imaging of erythrocytes under microfluidic constriction in a high refractive index medium reveals water content changes. Microsystems and Nanoengineering, 2019, 5, 63. | 7.0 | 22 |
| 52 | RBC Transfusion Strategies in the ICU: A Concise Review. Critical Care Medicine, 2019, 47, 1637-1644. | 0.9 | 39 |
| 53 | Multiple hemolytic transfusion reactions misinterpreted as severe vasoâ€occlusive crisis in a patient with sickle cell disease. Transfusion, 2019, 59, 448-453. | 1.6 | 16 |
| 54 | Integrated automated particle tracking microfluidic enables highâ€throughput cell deformability cytometry for red cell disorders. American Journal of Hematology, 2019, 94, 189-199. | 4.1 | 26 |

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|---|---|---|---|
| 55 | Angiogeninâ€mediated tRNA cleavage as a novel feature of stored red blood cells. British Journal of Haematology, 2019, 185, 760-764. | 2.5 | 8 |
| 56 | 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. | 1.6 | 2 |
| 57 | Transfusion-Transmitted Infections: an Update on Product Screening, Diagnostic Techniques, and the Path Ahead. Journal of Clinical Microbiology, 2018, 56, . | 3.9 | 40 |
| 58 | Hemoglobin A clearance in children with sickle cell anemia on chronic transfusion therapy. Transfusion, 2018, 58, 1363-1371. | 1.6 | 19 |
| 59 | Glucoseâ€6â€phosphateâ€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. | 4.1 | 34 |
| 60 | Trends in transfusion rates after the FOCUS trial. Journal of Comparative Effectiveness Research, 2018, 7, 113-120. | 1.4 | 3 |
| 61 | Stability of antiâ€A blood group titers among blood group B renal transplant candidates. Transfusion, 2018, 58, 2747-2751. | 1.6 | 3 |
| 62 | Testing for Platelet Refractoriness: Optimizing Testing Algorithms. American Journal of Clinical Pathology, 2018, 150, S151-S151. | 0.7 | 3 |
| 63 | Current Evidence for the Use of Prophylactic Transfusion to Treat Sickle Cell Disease During Pregnancy. Transfusion Medicine Reviews, 2018, 32, 220-224. | 2.0 | 5 |
| 64 | Does red blood cell irradiation and/or anemia trigger intestinal injury in premature infants with birth weightâ€‰â‰¤â€‰1250Âg? An observational birth cohort study. BMC Pediatrics, 2018, 18, 270. | 1.7 | 7 |
| 65 | Genotyping Applications for Transplantation and Transfusion Management: The Emory Experience. Archives of Pathology and Laboratory Medicine, 2017, 141, 329-340. | 2.5 | 22 |
| 66 | The Role of the Laboratory and Transfusion Service in the Management of Ebola Virus Disease. Transfusion Medicine Reviews, 2017, 31, 149-153. | 2.0 | 6 |
| 67 | Daratumumab (anti-CD38) induces loss of CD38 on red blood cells. Blood, 2017, 129, 3033-3037. | 1.4 | 71 |
| 68 | Cytomegalovirusâ€safe blood: the unclear effect of sickle hemoglobin. Transfusion, 2017, 57, 1582-1583. | 1.6 | 0 |
| 69 | 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. | 2.5 | 2 |
| 70 | AABB Committee Report: reducing transfusionâ€transmitted cytomegalovirus infections. Transfusion, 2016, 56, 1581-1587. | 1.6 | 33 |
| 71 | Metabolic pathways that correlate with post-transfusion circulation of stored murine red blood cells. Haematologica, 2016, 101, 578-586. | 3.5 | 69 |
| 72 | 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 |

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|---|---|---|---|
| 73 | Clinical Practice Guidelines From the AABB. JAMA - Journal of the American Medical Association, 2016, 316, 2025. | 7.4 | 871 |
| 74 | Pleomorphic Structures in Human Blood Are Red Blood Cell-Derived Microparticles, Not Bacteria. PLoS ONE, 2016, 11, e0163582. | 2.5 | 13 |
| 75 | Effects of storageâ€aged red blood cell transfusions on endothelial function in hospitalized patients. Transfusion, 2015, 55, 782-790. | 1.6 | 33 |
| 76 | Lyle T. Sinor, PhD: May 24, 1957-January 12, 2015. Transfusion, 2015, 55, 1135-1135. | 1.6 | 0 |
| 77 | Effect of storageâ€aged red blood cell transfusions on endothelial function in healthy subjects. Transfusion, 2015, 55, 2768-2770. | 1.6 | 6 |
| 78 | 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. | 1.4 | 1 |
| 79 | The value of areaâ€based analyses of donation patterns for recruitment strategies. Transfusion, 2014, 54, 3051-3060. | 1.6 | 12 |
| 80 | Blood Transfusion and Breast Milk Transmission of Cytomegalovirus in Very Low-Birth-Weight Infants. JAMA Pediatrics, 2014, 168, 1054. | 6.2 | 139 |
| 81 | Metabolomics of ADSOL (AS-1) Red Blood Cell Storage. Transfusion Medicine Reviews, 2014, 28, 41-55. | 2.0 | 83 |
| 82 | New insights for preventing transfusionâ€transmitted cytomegalovirus and other white blood cellâ€“associated viral infections. Transfusion, 2013, 53, 2112-2116. | 1.6 | 19 |
| 83 | Evidence-Based Guidelines for Blood Transfusion. Journal of Infusion Nursing, 2012, 35, 187-190. | 2.3 | 2 |
| 84 | 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, 1-7. | 3.3 | 3 |
| 85 | Vascular Effects of the Red Blood Cell Storage Lesion. Hematology American Society of Hematology Education Program, 2011, 2011, 475-479. | 2.5 | 50 |
| 86 | Insufficient nitric oxide bioavailability: a hypothesis to explain adverse effects of red blood cell transfusion. Transfusion, 2011, 51, 859-866. | 1.6 | 62 |
| 87 | 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 |
| 88 | Evidenceâ€based practice guidelines for plasma transfusion. Transfusion, 2010, 50, 1227-1239. | 1.6 | 269 |
| 89 | 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 |
| 90 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Transfusion-Transmitted Cytomegalovirus: Lessons From a Murine Model. Transfusion Medicine Reviews, 2007, 21, 26-36. | 2.0 | 19 |
| 92 | Inactivation of Infectious CMV in Platelet Products: Comparison of INTERCEPT Blood Systemâ„¢ and Leukofiltration.. Blood, 2007, 110, 2886-2886. | 1.4 | 0 |
| 93 | Transfusion-transmitted cytomegalovirus (CMV) infections in a murine model: characterization of CMV-infected donor mice. Transfusion, 2006, 46, 889-895. | 1.6 | 8 |
| 94 | 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. | 2.0 | 36 |
| 95 | Comparison of cytomegalovirus polymerase chain reaction and serology for screening umbilical cord blood components. Transfusion, 2005, 45, 1722-1728. | 1.6 | 8 |
| 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 | Effects of Amotosalen Hydrochloride and Ultraviolet a Light on CD4 and CD8 Cells.. Blood, 2004, 104, 4981-4981. | 1.4 | 0 |
| 99 | MCMV Infection Lowers the Threshold for the Development of Clinical GvHD after Allogeneic Bone Marrow Transplantation.. Blood, 2004, 104, 2125-2125. | 1.4 | 0 |
| 100 | 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 |
| 101 | CMV DNA is rarely detected in healthy blood donors using validated PCR assays. Transfusion, 2003, 43, 314-321. | 1.6 | 66 |
| 102 | An automatable format for accurate immunohematology testing by flow cytometry. Transfusion, 2003, 43, 918-927. | 1.6 | 35 |
| 103 | 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, 6023-6031. | 0.8 | 26 |
| 104 | CMV and blood transfusions. Reviews in Medical Virology, 2002, 12, 211-219. | 8.3 | 74 |
| 105 | Multicenter evaluation of PCR methods fordetecting CMV DNA in blood donors. Transfusion, 2001, 41, 1249-1257. | 1.6 | 62 |
| 106 | Recombinant human CD40 ligand inhibits simian immunodeficiency virus replication: A role for interleukinâ€16. Journal of Medical Primatology, 1999, 28, 190-194. | 0.6 | 5 |