

Cassandra D Josephson

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99
papers

2,092
citations

26
h-index

43
g-index

130
ext. papers

2,778
ext. citations

4.6
avg, IF

4.96
L-index

#	Paper	IF	Citations
99	Association of Red Blood Cell Transfusion, Anemia, and Necrotizing Enterocolitis in Very Low-Birth-Weight Infants. <i>JAMA - Journal of the American Medical Association</i> , 2016 , 315, 889-97	27.4	157
98	Transfusion in the patient with sickle cell disease: a critical review of the literature and transfusion guidelines. <i>Transfusion Medicine Reviews</i> , 2007 , 21, 118-33	7.4	112
97	Implementation of a pediatric trauma massive transfusion protocol: one institution's experience. <i>Transfusion</i> , 2012 , 52, 1228-36	2.9	104
96	Blood transfusion and breast milk transmission of cytomegalovirus in very low-birth-weight infants: a prospective cohort study. <i>JAMA Pediatrics</i> , 2014 , 168, 1054-62	8.3	104
95	Do red cell transfusions increase the risk of necrotizing enterocolitis in premature infants?. <i>Journal of Pediatrics</i> , 2010 , 157, 972-978.e1-3	3.6	96
94	Bleeding risks are higher in children versus adults given prophylactic platelet transfusions for treatment-induced hypoproliferative thrombocytopenia. <i>Blood</i> , 2012 , 120, 748-60	2.2	89
93	ABO-mismatched platelet transfusions: strategies to mitigate patient exposure to naturally occurring hemolytic antibodies. <i>Transfusion and Apheresis Science</i> , 2010 , 42, 83-8	2.4	85
92	Impact of red blood cell alloimmunization on sickle cell disease mortality: a case series. <i>Transfusion</i> , 2016 , 56, 107-14	2.9	75
91	Consensus Recommendations for RBC Transfusion Practice in Critically Ill Children From the Pediatric Critical Care Transfusion and Anemia Expertise Initiative. <i>Pediatric Critical Care Medicine</i> , 2018 , 19, 884-898	3	72
90	Metabolomics of ADSOL (AS-1) red blood cell storage. <i>Transfusion Medicine Reviews</i> , 2014 , 28, 41-55	7.4	68
89	Immunophenotypic parameters and RBC alloimmunization in children with sickle cell disease on chronic transfusion. <i>American Journal of Hematology</i> , 2015 , 90, 1135-41	7.1	51
88	Daratumumab (anti-CD38) induces loss of CD38 on red blood cells. <i>Blood</i> , 2017 , 129, 3033-3037	2.2	47
87	2015 proceedings of the National Heart, Lung, and Blood Institute's State of the Science in Transfusion Medicine symposium. <i>Transfusion</i> , 2015 , 55, 2282-90	2.9	47
86	Platelet Transfusion Practices Among Very-Low-Birth-Weight Infants. <i>JAMA Pediatrics</i> , 2016 , 170, 687-94	8.3	45
85	Inhibiting GPIIb/IIIa Shedding Preserves Post-Transfusion Recovery and Hemostatic Function of Platelets After Prolonged Storage. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 1821-8	9.4	41
84	ABO blood group and COVID-19: a review on behalf of the ISBT COVID-19 Working Group. <i>Vox Sanguinis</i> , 2021 , 116, 849-861	3.1	41
83	Metabolomics profile comparisons of irradiated and nonirradiated stored donor red blood cells. <i>Transfusion</i> , 2015 , 55, 544-52	2.9	39

82	Feeding preterm infants during red blood cell transfusion is associated with a decline in postprandial mesenteric oxygenation. <i>Journal of Pediatrics</i> , 2014 , 165, 464-71.e1	3.6	39
81	Red blood cell specifications for patients with hemoglobinopathies: a systematic review and guideline. <i>Transfusion</i> , 2018 , 58, 1555-1566	2.9	38
80	The SARS-CoV-2 receptor-binding domain preferentially recognizes blood group A. <i>Blood Advances</i> , 2021 , 5, 1305-1309	7.8	37
79	Effect of Fresh vs Standard-issue Red Blood Cell Transfusions on Multiple Organ Dysfunction Syndrome in Critically Ill Pediatric Patients: A Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2019 , 322, 2179-2190	27.4	30
78	Refrigeration-Induced Binding of von Willebrand Factor Facilitates Fast Clearance of Refrigerated Platelets. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, 2271-2279	9.4	29
77	A novel approach to standardised recording of bleeding in a high risk neonatal population. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2013 , 98, F260-3	4.7	29
76	A multidisciplinary "think tank": the top 10 clinical trial opportunities in transfusion medicine from the National Heart, Lung, and Blood Institute-sponsored 2009 state-of-the-science symposium. <i>Transfusion</i> , 2011 , 51, 828-41	2.9	28
75	Red blood cell minor antigen mismatches during chronic transfusion therapy for sickle cell anemia. <i>Transfusion</i> , 2017 , 57, 2738-2746	2.9	26
74	Prevention of transfusion-transmitted cytomegalovirus in low-birth weight infants (≤ 1500 g) using cytomegalovirus-seronegative and leukoreduced transfusions. <i>Transfusion Medicine Reviews</i> , 2011 , 25, 125-32	7.4	26
73	Therapeutic plasma exchange for COVID-19-associated hyperviscosity. <i>Transfusion</i> , 2021 , 61, 1029-1034	2.9	21
72	Innate immunity against molecular mimicry: Examining galectin-mediated antimicrobial activity. <i>BioEssays</i> , 2015 , 37, 1327-37	4.1	20
71	Recent advances in transfusions in neonates/infants. <i>F1000Research</i> , 2018 , 7,	3.6	19
70	Observational study of haemostatic dysfunction and bleeding in neonates with hypoxic-ischaemic encephalopathy. <i>BMJ Open</i> , 2017 , 7, e013787	3	18
69	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	7.1	18
68	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	7.8	18
67	Anemia induces gut inflammation and injury in an animal model of preterm infants. <i>Transfusion</i> , 2019 , 59, 1233-1245	2.9	16
66	Clinical use of Convalescent Plasma in the COVID-19 pandemic: a transfusion-focussed gap analysis with recommendations for future research priorities. <i>Vox Sanguinis</i> , 2021 , 116, 88-98	3.1	16
65	2016 proceedings of the National Heart, Lung, and Blood Institute's scientific priorities in pediatric transfusion medicine. <i>Transfusion</i> , 2017 , 57, 1568-1581	2.9	15

64	Examining the Role of Complement in Predicting, Preventing, and Treating Hemolytic Transfusion Reactions. <i>Transfusion Medicine Reviews</i> , 2019 , 33, 217-224	7.4	15
63	Neonatal Transfusion Medicine: Five Major Unanswered Research Questions for the Twenty-First Century. <i>Clinics in Perinatology</i> , 2015 , 42, 499-513	2.8	15
62	Clinical uses of plasma and plasma fractions: plasma-derived products for hemophilias A and B, and for von Willebrand disease. <i>Best Practice and Research in Clinical Haematology</i> , 2006 , 19, 35-49	4.2	13
61	Comparison of Antibody Class-Specific SARS-CoV-2 Serologies for the Diagnosis of Acute COVID-19. <i>Journal of Clinical Microbiology</i> , 2021 , 59,	9.7	13
60	Teenage Blood Donors: Are We Asking Too Little and Taking Too Much?. <i>Pediatrics</i> , 2017 , 139,	7.4	12
59	Peritransplantation Red Blood Cell Transfusion Is Associated with Increased Risk of Graft-versus-Host Disease after Allogeneic Hematopoietic Stem Cell Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2018 , 24, 973-982	4.7	12
58	Storage age of red blood cells for transfusion of premature infants. <i>JAMA - Journal of the American Medical Association</i> , 2013 , 309, 544-5	27.4	12
57	Transfusion practices for patients with sickle cell disease at major academic medical centers participating in the Atlanta Sickle Cell Consortium. <i>Immunohematology</i> , 2019 , 28, 24-26	0.4	12
56	Platelet transfusion practices in immune thrombocytopenia related hospitalizations. <i>Transfusion</i> , 2019 , 59, 169-176	2.9	12
55	Recommendations on RBC Transfusion Support in Children With Hematologic and Oncologic Diagnoses From the Pediatric Critical Care Transfusion and Anemia Expertise Initiative. <i>Pediatric Critical Care Medicine</i> , 2018 , 19, S149-S156	3	12
54	One size will never fit all: the future of research in pediatric transfusion medicine. <i>Pediatric Research</i> , 2014 , 76, 425-31	3.2	11
53	Epidemiology of Necrotizing Enterocolitis: New Considerations Regarding the Influence of Red Blood Cell Transfusions and Anemia. <i>Clinics in Perinatology</i> , 2019 , 46, 101-117	2.8	11
52	Challenges in preventing and treating hemolytic complications associated with red blood cell transfusion. <i>Transfusion Clinique Et Biologique</i> , 2019 , 26, 130-134	1.9	10
51	Eculizumab for complement mediated thrombotic microangiopathy in sickle cell disease. <i>Haematologica</i> , 2020 , 105, 2887-2891	6.6	10
50	The new albumin-free recombinant factor VIII concentrates for treatment of hemophilia: do they represent an actual incremental improvement?. <i>Clinical Advances in Hematology and Oncology</i> , 2004 , 2, 441-6	0.6	10
49	Hemoglobin A clearance in children with sickle cell anemia on chronic transfusion therapy. <i>Transfusion</i> , 2018 , 58, 1363-1371	2.9	9
48	Life-Threatening Bleeding in Children: A Prospective Observational Study. <i>Critical Care Medicine</i> , 2021 , 49, 1943-1954	1.4	9
47	Neonatal and pediatric platelet transfusions: current concepts and controversies. <i>Current Opinion in Hematology</i> , 2019 , 26, 466-472	3.3	9

46	Health literacy and knowledge of chronic transfusion therapy in adolescents with sickle cell disease and caregivers. <i>Pediatric Blood and Cancer</i> , 2019 , 66, e27733	3	8
45	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	2.9	8
44	Short-Acting Anti-VWF (von Willebrand Factor) Aptamer Improves the Recovery, Survival, and Hemostatic Functions of Refrigerated Platelets. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 2028-2037	9.4	8
43	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	2.2	8
42	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	7.1	8
41	Variation in Neonatal Transfusion Practice. <i>Journal of Pediatrics</i> , 2021 , 235, 92-99.e4	3.6	8
40	Statistical methods for characterizing transfusion-related changes in regional oxygenation using near-infrared spectroscopy (NIRS) in preterm infants. <i>Statistical Methods in Medical Research</i> , 2019 , 28, 2710-2723	2.3	7
39	Formative Usability Testing Reduces Severe Blood Product Ordering Errors. <i>Applied Clinical Informatics</i> , 2019 , 10, 981-990	3.1	7
38	Observational study of cytomegalovirus from breast milk and necrotising enterocolitis. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2019 ,	4.7	7
37	Transfusion Considerations in Pediatric Hematology and Oncology Patients. <i>Hematology/Oncology Clinics of North America</i> , 2016 , 30, 695-709	3.1	6
36	Perioperative Transfusions and Venous Thromboembolism. <i>Pediatrics</i> , 2020 , 145,	7.4	6
35	Hyperleukocytosis in infant acute leukemia: a role for manual exchange transfusion for leukoreduction. <i>Transfusion</i> , 2018 , 58, 1149-1156	2.9	5
34	Does red blood cell irradiation and/or anemia trigger intestinal injury in premature infants with birth weight ≤ 250 g? An observational birth cohort study. <i>BMC Pediatrics</i> , 2018 , 18, 270	2.6	5
33	Are We Forgetting About IgA? A Re-examination of Coronavirus Disease 2019 Convalescent Plasma. <i>Transfusion</i> , 2021 , 61, 1740-1748	2.9	5
32	Current state of transfusion practices for ABO-incompatible pediatric heart transplant patients in the United States and Canada. <i>Transfusion</i> , 2018 , 58, 2243-2249	2.9	4
31	Hematological predictors of mortality in neonates with fulminant necrotizing enterocolitis. <i>Journal of Perinatology</i> , 2021 , 41, 1110-1121	3.1	4
30	Sex-specific cytokine responses and neurocognitive outcome after blood transfusions in preterm infants. <i>Pediatric Research</i> , 2021 ,	3.2	4
29	Transfusion practices in a large cohort of hospitalized children. <i>Transfusion</i> , 2021 , 61, 2042-2053	2.9	4

28	Long-term stability of CMV DNA in human breast milk. <i>Journal of Clinical Virology</i> , 2018 , 102, 39-41	14.5	3
27	Transfusion-transmitted malaria masquerading as sickle cell crisis with multisystem organ failure. <i>Transfusion</i> , 2018 , 58, 1550-1554	2.9	3
26	Transfusion in Neonatal Patients: Review of Evidence-Based Guidelines. <i>Clinics in Laboratory Medicine</i> , 2021 , 41, 15-34	2.1	3
25	Transfusion Practices in Pediatric Cardiac Surgery Requiring Cardiopulmonary Bypass: A Secondary Analysis of a Clinical Database. <i>Pediatric Critical Care Medicine</i> , 2021 , 22, 978-987	3	3
24	Antigen density dictates RBC clearance, but not antigen modulation, following incompatible RBC transfusion in mice. <i>Blood Advances</i> , 2021 , 5, 527-538	7.8	3
23	CD36 immunization in a patient undergoing hematopoietic stem cell transplantation. <i>Pediatric Blood and Cancer</i> , 2008 , 50, 660-2	3	2
22	Bacterial Contamination of Platelets for Transfusion: Recent Advances and Issues. <i>Laboratory Medicine</i> , 2005 , 36, 767-770	1.6	2
21	Phase II Trial of Rituximab in the Treatment of Inhibitors in Congenital Hemophilia A: Results of the RICH Study. <i>Blood</i> , 2011 , 118, 27-27	2.2	2
20	Use of Antifibrinolytics in Pediatric Life-Threatening Hemorrhage: A Prospective Observational Multicenter Study. <i>Critical Care Medicine</i> , 2021 ,	1.4	2
19	Transfusion practices for pediatric oncology and hematopoietic stem cell transplantation patients: Data from the National Heart Lung and Blood Institute Recipient Epidemiology and Donor Evaluation Study-III (REDS-III). <i>Transfusion</i> , 2021 , 61, 2589-2600	2.9	2
18	Mizuho hemoglobinopathy, presenting with severe hemolytic anemia and multisystem organ failure secondary to exertion. <i>Transfusion</i> , 2021 , 61, 1996-1997	2.9	1
17	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	10.4	1
16	Survey to inform trial of low-titer group O whole-blood compared to conventional blood components for children with severe traumatic bleeding. <i>Transfusion</i> , 2021 , 61 Suppl 1, S43-S48	2.9	0
15	Blood transfusions in gunshot-wound-related emergency department visits and hospitalizations in the United States. <i>Transfusion</i> , 2021 , 61, 2277-2289	2.9	0
14	The authors reply.. <i>Critical Care Medicine</i> , 2022 , 50, e409-e410	1.4	0
13	Platelet and plasma transfusions for infants and children 2016 , 542-548		
12	A double spike causes double trouble. <i>Transfusion</i> , 2019 , 59, 2191-2192	2.9	
11	Changes in hospital human tissue oversight in the United States between 2005 and 2011: results of a follow-up AABB survey. <i>Transfusion</i> , 2014 , 54, 224-30	2.9	

- 10 Polycythemia in an infant secondary to granulocyte transfusions. *Pediatric Blood and Cancer*, **2011**, 57, 1236-8 3
- 9 Blood transfusion/preoperative considerations and complications 269-284
- 8 Pediatric massive transfusion protocols applied to intraoperative complications of common pediatric surgeries.. *Journal of Pediatric Surgery*, **2022**, 2.6
- 7 Pediatric blood banking principles and transfusion medicine practices **2022**, 749-765
- 6 Anemic Conditions Acceptable in Restrictive Transfusion Practice Induce Gut Inflammation and Injury in an Animal Model of Preterm Infants. *Blood*, **2017**, 130, 765-765 2.2
- 5 Associated Co-Morbidities, Healthcare Utilization, and Mortality in Hospitalized Children and Adults with Hemophilia in the United States: Updated Nationally Representative Estimates and a Comparative Analysis. *Blood*, **2019**, 134, 4711-4711 2.2
- 4 Platelet Transfusion Thresholds In Neonates: Substantial Differences Between U.S. and Europe. *Blood*, **2010**, 116, 3356-3356 2.2
- 3 High-Throughput Amplification and Detection of Human Erythrocyte Antigen (HEA) Nucleotide Polymorphisms From Leukocyte Reduced Red Blood Cell (RBC) Units: Implications for Minor RBC Antigen Inventory Management by Hospital Transfusion Services. *Blood*, **2010**, 116, 3348-3348 2.2
- 2 COVID-19 convalescent plasma donor recruitment experience from the perspective of a hospital transfusion medicine service. *Transfusion*, **2021**, 61, 2213-2215 2.9
- 1 Transfusing Neonates and Infants **2022**, 417-425