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List of Publications by Year
in descending order

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Version: 2024-02-01

104 papers	6,012 citations	117625 34 h-index	79698 73 g-index
110 all docs	110 docs citations	110 times ranked	9505 citing authors

#	Article	IF	Citations
1	Deployment of convalescent plasma for the prevention and treatment of COVID-19. Journal of Clinical Investigation, 2020, 130, 2757-2765.	8.2	649
2	Transfusion of red blood cells after prolonged storage produces harmful effects that are mediated by iron and inflammation. Blood, 2010, 115, 4284-4292.	1.4	449
3	Effects of Red-Cell Storage Duration on Patients Undergoing Cardiac Surgery. New England Journal of Medicine, 2015, 372, 1419-1429.	27.0	422
4	COVID-19 infection alters kynurenine and fatty acid metabolism, correlating with IL-6 levels and renal status. JCI Insight, 2020, 5, .	5.0	412
5	Distinct antibody responses to SARS-CoV-2 in children and adults across the COVID-19 clinical spectrum. Nature Immunology, 2021, 22, 25-31.	14.5	403
6	The AtRial Cardiopathy and Antithrombotic Drugs In prevention After cryptogenic stroke randomized trial: Rationale and methods. International Journal of Stroke, 2019, 14, 207-214.	5.9	304
7	Platelet transfusion refractoriness. British Journal of Haematology, 2008, 142, 348-360.	2.5	283
8	Transfusion of human volunteers with older, stored red blood cells produces extravascular hemolysis and circulating nonâ€“transferrin-bound iron. Blood, 2011, 118, 6675-6682.	1.4	267
9	Evidence of Structural Protein Damage and Membrane Lipid Remodeling in Red Blood Cells from COVID-19 Patients. Journal of Proteome Research, 2020, 19, 4455-4469.	3.7	189
10	Prolonged red cell storage before transfusion increases extravascular hemolysis. Journal of Clinical Investigation, 2016, 127, 375-382.	8.2	166
11	Serum Proteomics in COVID-19 Patients: Altered Coagulation and Complement Status as a Function of IL-6 Level. Journal of Proteome Research, 2020, 19, 4417-4427.	3.7	155
12	Hypoxia modulates the purine salvage pathway and decreases red blood cell and supernatant levels of hypoxanthine during refrigerated storage. Haematologica, 2018, 103, 361-372.	3.5	131
13	A randomized double-blind controlled trial of convalescent plasma in adults with severe COVID-19. Journal of Clinical Investigation, 2021, 131, .	8.2	131
14	Increased erythrophagocytosis induces ferroptosis in red pulp macrophages in a mouse model of transfusion. Blood, 2018, 131, 2581-2593.	1.4	119
15	A novel mouse model of red blood cell storage and posttransfusion in vivo survival. Transfusion, 2009, 49, 1546-1553.	1.6	106
16	Bridging channel dendritic cells induce immunity to transfused red blood cells. Journal of Experimental Medicine, 2016, 213, 887-896.	8.5	89
17	Strainâ€specific red blood cell storage, metabolism, and eicosanoid generation in a mouse model. Transfusion, 2014, 54, 137-148.	1.6	87
18	Second international round robin for the quantification of serum non-transferrin-bound iron and labile plasma iron in patients with iron-overload disorders. Haematologica, 2016, 101, 38-45.	3.5	74

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19	IMMUNOHEMATOLOGY: Storage of murine red blood cells enhances alloantibody responses to an erythroidâ€specific model antigen. Transfusion, 2010, 50, 642-648.	1.6	71
20	Donor glucose-6-phosphate dehydrogenase deficiency decreases blood quality for transfusion. Journal of Clinical Investigation, 2020, 130, 2270-2285.	8.2	69
21	Autologous Transfusion of Stored Red Blood Cells Increases Pulmonary Artery Pressure. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 800-807.	5.6	63
22	Atrial Cardiopathy and Cryptogenic Stroke: A Cross-sectional Pilot Study. Journal of Stroke and Cerebrovascular Diseases, 2016, 25, 110-114.	1.6	60
23	New perspectives on the thrombotic complications of haemolysis. British Journal of Haematology, 2015, 168, 175-185.	2.5	58
24	Types of Assays for SARS-CoV-2 Testing: A Review. Laboratory Medicine, 2020, 51, e59-e65.	1.2	57
25	Direct diagnostic testing of SARS-CoV-2 without the need for prior RNA extraction. Scientific Reports, 2021, 11, 2402.	3.3	52
26	Transfusion of stored blood impairs host defenses against <scp>G</scp>ramâ€negative pathogens in mice. Transfusion, 2014, 54, 2842-2851.	1.6	47
27	Human-Specific Bacterial Pore-Forming Toxins Induce Programmed Necrosis in Erythrocytes. MBio, 2014, 5, e01251-14.	4.1	46
28	Management of the Platelet Refractory Patient. Hematology/Oncology Clinics of North America, 2016, 30, 665-677.	2.2	46
29	Rapid clearance of storage-induced microerythrocytes alters transfusion recovery. Blood, 2021, 137, 2285-2298.	1.4	45
30	Cytokine storm in a mouse model of IgG-mediated hemolytic transfusion reactions. Blood, 2008, 112, 891-894.	1.4	44
31	Frequency of glucoseâ€6â€phosphate dehydrogenaseâ€“deficient red blood cell units in a metropolitan transfusion service. Transfusion, 2013, 53, 606-611.	1.6	43
32	Red blood cell transfusion is associated with increased hemolysis and an acute phase response in a subset of critically ill children. American Journal of Hematology, 2015, 90, 915-920.	4.1	43
33	Disposal of iron by a mutant form of lipocalin 2. Nature Communications, 2016, 7, 12973.	12.8	43
34	Low hemoglobin and hematoma expansion after intracerebral hemorrhage. Neurology, 2019, 93, e372-e380.	1.1	41
35	Evaluating the efficacy and safety of human anti-SARS-CoV-2 convalescent plasma in severely ill adults with COVID-19: A structured summary of a study protocol for a randomized controlled trial. Trials, 2020, 21, 499.	1.6	38
36	Biological and Clinical Factors Contributing to the Metabolic Heterogeneity of Hospitalized Patients with and without COVID-19. Cells, 2021, 10, 2293.	4.1	37

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37	Transfusional iron overload and intravenous iron infusions modify the mouse gut microbiota similarly to dietary iron. Npj Biofilms and Microbiomes, 2019, 5, 26.	6.4	35
38	Field-deployable, rapid diagnostic testing of saliva for SARS-CoV-2. Scientific Reports, 2021, 11, 5448.	3.3	33
39	The controversy over the age of blood: what do the clinical trials really teach us?. Blood Transfusion, 2017, 15, 112-115.	0.4	33
40	Rapid clearance of transfused murine red blood cells is associated with recipient cytokine storm and enhanced alloimmunogenicity. Transfusion, 2011, 51, 2445-2454.	1.6	31
41	Stressed erythrophagocytosis induces immunosuppression during sepsis through heme-mediated STAT1 dysregulation. Journal of Clinical Investigation, 2021, 131, .	8.2	31
42	Donor genetic and nongenetic factors affecting red blood cell transfusion effectiveness. JCI Insight, 2022, 7, .	5.0	29
43	Macrophages clear refrigerator storageâ€"damaged red blood cells and subsequently secrete cytokines in vivo, but not in vitro, in a murine model. Transfusion, 2014, 54, 3186-3197.	1.6	23
44	Red blood cell transfusionâ€induced inflammation: myth or reality. ISBT Science Series, 2015, 10, 188-191.	1.1	23
45	Iron-deficient erythropoiesis in blood donors and red blood cell recovery after transfusion: initial studies with a mouse model. Blood Transfusion, 2017, 15, 158-164.	0.4	23
46	Reexamination of the chromiumâ€51â€"labeled posttransfusion red blood cell recovery method. Transfusion, 2019, 59, 2264-2275.	1.6	21
47	The Nlrp3 Inflammasome Does Not Regulate Alloimmunization to Transfused Red Blood Cells in Mice. EBioMedicine, 2016, 9, 77-86.	6.1	20
48	Determination of RBC Survival in C57BL/6 and C57BL/6-Tg(UBC-GFP) Mice. Comparative Medicine, 2015, 65, 196-201.	1.0	20
49	ZOOMICS: Comparative Metabolomics of Red Blood Cells From Old World Monkeys and Humans. Frontiers in Physiology, 2020, 11, 593841.	2.8	19
50	Impacts of ABO-incompatible platelet transfusions on platelet recovery and outcomes after intracerebral hemorrhage. Blood, 2021, 137, 2699-2703.	1.4	19
51	Effect of red blood cell storage time on markers of hemolysis and inflammation in transfused very low birth weight infants. Pediatric Research, 2017, 82, 964-969.	2.3	18
52	Hematologic and systemic metabolic alterations due to Mediterranean class II G6PD deficiency in mice. JCI Insight, 2021, 6, .	5.0	17
53	The Recipient Epidemiology and Donor Evaluation <scp>Studyâ€Vâ€Pediatric</scp> (<scp>REDSâ€Vâ€P</scp>): A research program striving to improve blood donor safety and optimize transfusion outcomes across the lifespan. Transfusion, 2022, 62, 982-999.	1.6	16
54	The outsider adverse event in transfusion: Inflammation. Presse Medicale, 2016, 45, e325-e329.	1.9	14

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55	Lessons learned from mouse models of hemolytic transfusion reactions. Current Opinion in Hematology, 2008, 15, 601-605.	2.5	12
56	G6PD Deficiency in an HIV Clinic Setting in the Dominican Republic. American Journal of Tropical Medicine and Hygiene, 2015, 93, 722-729.	1.4	12
57	Functional Coagulation Differences Between Lobar and Deep Intracerebral Hemorrhage Detected by Rotational Thromboelastometry: A Pilot Study. Neurocritical Care, 2019, 31, 81-87.	2.4	12
58	Physiologically based serum ferritin thresholds for iron deficiency in women of reproductive age who are blood donors. Blood Advances, 2022, 6, 3661-3665.	5.2	11
59	Downtime Procedures for the 21st Century. American Journal of Clinical Pathology, 2015, 143, 100-104.	0.7	10
60	Red Blood Cell Storage Lesion-Induced Adverse Effects: More Smoke; Is There Fire?. Anesthesia and Analgesia, 2017, 124, 1752-1754.	2.2	10
61	Sustained-Release Buprenorphine Improves Postsurgical Clinical Condition but Does Not Alter Survival or Cytokine Levels in a Murine Model of Polymicrobial Sepsis. Comparative Medicine, 2016, 66, 455-462.	1.0	10
62	ABO Blood Type and Hematoma Expansion After Intracerebral Hemorrhage: An Exploratory Analysis. Neurocritical Care, 2019, 31, 66-71.	2.4	9
63	Red Blood Cell Transfusions and Outcomes After Intracerebral Hemorrhage. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 105317.	1.6	9
64	Storage Primes Erythrocytes for Necroptosis and Clearance. Cellular Physiology and Biochemistry, 2019, 53, 496-507.	1.6	9
65	Irradiation Causes Alterations of Polyamine, Purine, and Sulfur Metabolism in Red Blood Cells and Multiple Organs. Journal of Proteome Research, 2022, 21, 519-534.	3.7	9
66	Center-related Bias in MELD Scores Within a Liver Transplant UNOS Region: A Call for Standardization. Transplantation, 2020, 104, 1396-1402.	1.0	8
67	Transfusion of Stored Red Blood Cells Activates an Inflammatory Program in Mouse Spleen That Is Enhanced By Endotoxemia. Blood, 2014, 124, 598-598.	1.4	8
68	Efficacy of enrofloxacin in a mouse model of sepsis. Journal of the American Association for Laboratory Animal Science, 2014, 53, 381-6.	1.2	8
69	Chronic Transfusion and Iron Overload Modify the Mouse Gut Microbiome. Blood, 2016, 128, 200-200.	1.4	7
70	Deuterated Linoleic Acid Attenuates the RBC Storage Lesion in a Mouse Model of Poor RBC Storage. Frontiers in Physiology, 2022, 13, 868578.	2.8	7
71	Hypothesis: hemolytic transfusion reactions represent an alternative type of anaphylaxis. International Journal of Clinical and Experimental Pathology, 2009, 2, 71-82.	0.5	6
72	Donor Iron Deficiency Study (DIDS): protocol of a study to test whether iron deficiency in blood donors affects red blood cell recovery after transfusion. Blood Transfusion, 2019, 17, 274-280.	0.4	6

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73	Red blood cell transfusionâ€induced nonâ€transferrinâ€bound iron promotes Pseudomonas aeruginosa biofilms in human sera and mortality in catheterized mice. British Journal of Haematology, 2022, 196, 1105-1110.	2.5	5
74	57: Hydroxyurea Interference in Point-of-Care Creatinine and Glucose Measurements. American Journal of Clinical Pathology, 2015, 143, A030-A030.	0.7	4
75	Examination of the relationship between iron status and cognitive function among healthy young women with and without a recent history of blood donation. Transfusion, 2020, 60, 2886-2895.	1.6	4
76	Validation and Preclinical Correlation of a New Sandwich ELISA for Measuring Murine Hepcidin.. Blood, 2012, 120, 2100-2100.	1.4	3
77	G6PD Deficiency In An HIV Clinic Setting In The Dominican Republic. Blood, 2013, 122, 1695-1695.	1.4	3
78	Glucose-6-Phosphate Dehydrogenase Deficiency in Blood Donors Is Associated with Decreased Post-Transfusion Red Cell Recovery. Blood, 2017, 130, 706-706.	1.4	3
79	Quantifying protein abundance on single cells using split-pool sequencing on DNA-barcoded antibodies for diagnostic applications. Scientific Reports, 2022, 12, 884.	3.3	3
80	Carbohydrate Blood Groups. , 0, , 89-108.		2
81	Approaching the Interpretation of Discordances in SARS-CoV-2 Testing. Open Forum Infectious Diseases, 2021, 8, ofab144.	0.9	2
82	A double-edged sword: Prolonged detection of SARS-COV-2 in patients receiving cancer directed therapy. Seminars in Oncology, 2020, 48, 166-170.	2.2	2
83	Hemolytic anemia blunts the cytokine response to transfusion of older red blood cells in mice and dogs. Transfusion, 2021, 61, 3309-3319.	1.6	2
84	The questions surrounding stored blood do not get old. Transfusion, 2017, 57, 1328-1331.	1.6	1
85	Macrophage Recycling of Red Blood Cells and Iron Following Transfusion. Blood, 2018, 132, SCI-3-SCI-3.	1.4	1
86	Leukoreduction Decreases Alloimmunogenicity of Transfused Murine HOD RBCs.. Blood, 2009, 114, 640-640.	1.4	1
87	Transfusions of Red Blood Cells Stored for 40â€“42 Days Induce Circulating Non-Transferrin-Bound Iron (NTBI) In Healthy Adults. Blood, 2010, 116, 662-662.	1.4	1
88	The Role of Iron in Toxicity of Stored Red Blood Cell Units. Blood, 2012, 120, SCI-46-SCI-46.	1.4	1
89	Transfusion Practices and Infections At Four Level III Neonatal Intensive Care Units. Blood, 2013, 122, 3657-3657.	1.4	1
90	Longer Duration of Red Blood Cell Storage Induces Progressively Increased Markers of Extravascular Hemolysis and Hepcidin in Autologously Transfused Healthy Volunteers. Blood, 2015, 126, 657-657.	1.4	1

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91	Dendritic Cell Cross Presentation of RBC Antigens in-Vivo Is Not Affected By RBC Storage Duration and Requires Red Pulp Macrophage "Help" in-Vitro. Blood, 2016, 128, 3845-3845.	1.4	1
92	64: A Shift from Manual to Automatic: CSF Cell Counts With the GloCyte Automated Cell Counter System. American Journal of Clinical Pathology, 2015, 143, A036-A036.	0.7	0
93	Storage Lesion: Evolving Concepts and Controversies. Respiratory Medicine, 2017, , 175-191.	0.1	0
94	Fresh Murine Red Blood Cells Abrogate the Enhanced Alloimmunogenicity of Stored Murine Red Blood Cells. Blood, 2010, 116, 663-663.	1.4	0
95	Effects of Iron Status and Iron Supplementation on Salmonella Typhimurium and Plasmodium Yoelii Infection In Mice. Blood, 2010, 116, 2052-2052.	1.4	0
96	CXCL1 and its receptor, CXCR2, mediate murine sickle cell vasoâ€•occlusion during hemolytic transfusion reactions. FASEB Journal, 2011, 25, 116.8.	0.5	0
97	A Genetic Basis for Donor Variation in Generation of Prostaglandins and Leukotrienes in Stored RBCs Using a Mouse Model. Blood, 2012, 120, 844-844.	1.4	0
98	Increased Clearance of Storage-Damaged Red Blood Cells Induces an Acute Phase Response in Critically-Ill Children. Blood, 2014, 124, 2886-2886.	1.4	0
99	International Comparison Study of Toxic Iron Assays in Patients with Iron Overload Disorders. Blood, 2014, 124, 4033-4033.	1.4	0
100	Phagocytosis-Mediated Acute Hemolytic Events Induce Distinct Responses By Inflammatory Monocytes. Blood, 2015, 126, 3563-3563.	1.4	0
101	Transfused Stored or Antibody-Coated Red Blood Cells Are Internalized By and Activate Splenic Professional Antigen Presenting Cells. Blood, 2015, 126, 3564-3564.	1.4	0
102	Increased Methylation of Deamidated Asparagines and Aspartates in Stored Red Blood Cells from Glucose 6-Phosphate Dehydrogenase-Deficient Blood Donors. Blood, 2018, 132, 2543-2543.	1.4	0
103	Transfusion with Stored Antigen-Negative Blood Impairs T Cell Cross Priming to Red Cell Alloantigen in a Subsequent Transfusion. Blood, 2018, 132, 742-742.	1.4	0
104	Linking Stored Red Blood Cell Metabolism to Transfusion Recipient Iron Homeostasis Pathophysiology in Critically-Ill Children. Blood, 2019, 134, 1175-1175.	1.4	0