

Larry J Dumont

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

3,184
citations

126907

33
h-index

168389

53
g-index

100
all docs

100
docs citations

100
times ranked

2953
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of proposed FDA criteria for the evaluation of radiolabeled red cell recovery trials. <i>Transfusion</i> , 2008, 48, 1053-1060.	1.6	213
2	Early Convalescent Plasma for High-Risk Outpatients with Covid-19. <i>New England Journal of Medicine</i> , 2021, 385, 1951-1960.	27.0	177
3	Type I interferon autoantibodies are associated with systemic immune alterations in patients with COVID-19. <i>Science Translational Medicine</i> , 2021, 13, eabh2624.	12.4	155
4	Seven-day storage of single-donor platelets: recovery and survival in an autologous transfusion study. <i>Transfusion</i> , 2002, 42, 847-854.	1.6	138
5	BLOOD COMPONENTS: Screening of single-donor apheresis platelets for bacterial contamination: the PASSPORT study results. <i>Transfusion</i> , 2010, 50, 589-599.	1.6	121
6	Metabolomics in transfusion medicine. <i>Transfusion</i> , 2016, 56, 980-993.	1.6	104
7	Metabolomics of ADSOL (AS-1) Red Blood Cell Storage. <i>Transfusion Medicine Reviews</i> , 2014, 28, 41-55.	2.0	83
8	International validation of a dithiothreitol (DTT)-based method to resolve the daratumumab interference with blood compatibility testing. <i>Transfusion</i> , 2016, 56, 2964-2972.	1.6	76
9	A randomized controlled trial evaluating recovery and survival of 6% dimethyl sulfoxide-frozen autologous platelets in healthy volunteers. <i>Transfusion</i> , 2013, 53, 128-137.	1.6	75
10	Comparing the efficacy and safety of apheresis and whole blood-derived platelet transfusions: a systematic review. <i>Transfusion</i> , 2008, 48, 1447-1458.	1.6	71
11	Methylation of protein aspartates and deamidated asparagines as a function of blood bank storage and oxidative stress in human red blood cells. <i>Transfusion</i> , 2018, 58, 2978-2991.	1.6	71
12	Metabolic pathways that correlate with post-transfusion circulation of stored murine red blood cells. <i>Haematologica</i> , 2016, 101, 578-586.	3.5	69
13	Additive solution 7 reduces the red blood cell cold storage lesion. <i>Transfusion</i> , 2015, 55, 491-498.	1.6	67
14	Red blood cell storage in additive solution 7 preserves energy and redox metabolism: a metabolomics approach. <i>Transfusion</i> , 2015, 55, 2955-2966.	1.6	63
15	Platelet surface P-selectin measurements in platelet preparations: An international collaborative study. <i>Transfusion Medicine Reviews</i> , 1999, 13, 31-42.	2.0	56
16	In vitro pH effects on in vivo recovery and survival of platelets: an analysis by the BEST Collaborative. <i>Transfusion</i> , 2006, 46, 1300-1305.	1.6	55
17	The effect of leukocyte-reduction method on the amount of human cytomegalovirus in blood products: a comparison of apheresis and filtration methods. <i>Blood</i> , 2001, 97, 3640-3647.	1.4	53
18	Safety and efficacy of cryopreserved platelets in bleeding patients with thrombocytopenia. <i>Transfusion</i> , 2018, 58, 2129-2138.	1.6	53

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19	Neutralizing Autoantibodies to Type I Interferons in COVID-19 Convalescent Donor Plasma. <i>Journal of Clinical Immunology</i> , 2021, 41, 1169-1171.	3.8	53
20	Red blood cell metabolic responses to refrigerated storage, rejuvenation, and frozen storage. <i>Transfusion</i> , 2017, 57, 1019-1030.	1.6	52
21	Anaerobic storage of red blood cells in a novel additive solution improves in vivo recovery. <i>Transfusion</i> , 2009, 49, 458-464.	1.6	51
22	Seven-day storage of apheresis platelets: report of an in vitro study. <i>Transfusion</i> , 2003, 43, 143-150.	1.6	50
23	The effects of additive solution pH and metabolic rejuvenation on anaerobic storage of red cells. <i>Transfusion</i> , 2008, 48, 2096-2105.	1.6	50
24	CO ₂ -dependent metabolic modulation in red blood cells stored under anaerobic conditions. <i>Transfusion</i> , 2016, 56, 392-403.	1.6	50
25	ABO incompatible platelets. <i>Current Opinion in Hematology</i> , 2012, 19, 475-479.	2.5	49
26	Evaluation of Commercially Available High-Throughput SARS-CoV-2 Serologic Assays for Serosurveillance and Related Applications. <i>Emerging Infectious Diseases</i> , 2022, 28, 672-683.	4.3	49
27	SARS-CoV-2 antibody persistence in COVID-19 convalescent plasma donors: Dependency on assay format and applicability to serosurveillance. <i>Transfusion</i> , 2021, 61, 2677-2687.	1.6	46
28	Access to and safety of COVID-19 convalescent plasma in the United States Expanded Access Program: A national registry study. <i>PLoS Medicine</i> , 2021, 18, e1003872.	8.4	43
29	In vitro evaluation of the hemostatic effectiveness of cryopreserved platelets. <i>Transfusion</i> , 2016, 56, 580-586.	1.6	42
30	Rejuvenation capacity of red blood cells in additive solutions over long-term storage. <i>Transfusion</i> , 2011, 51, 1574-1579.	1.6	40
31	Interruption of agitation of platelet concentrates: a multicenter in vitro study by the BEST Collaborative on the effects of shipping platelets. <i>Transfusion</i> , 2007, 47, 1666-1673.	1.6	39
32	Exploratory in vitro study of red blood cell storage containers formulated with an alternative plasticizer. <i>Transfusion</i> , 2012, 52, 1439-1445.	1.6	39
33	Blood donor exposome and impact of common drugs on red blood cell metabolism. <i>JCI Insight</i> , 2021, 6, .	5.0	39
34	Practices associated with ABO-incompatible platelet transfusions: a BEST Collaborative international survey. <i>Transfusion</i> , 2010, 50, 1743-1748.	1.6	37
35	Red blood cell storage in SAGM and AS3: a comparison through the membrane two-dimensional electrophoresis proteome. <i>Blood Transfusion</i> , 2012, 10 Suppl 2, s46-54.	0.4	35
36	Stored red blood cell viability is maintained after treatment with a second-generation S ₃₀₃ pathogen inactivation process. <i>Transfusion</i> , 2011, 51, 2367-2376.	1.6	33

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37	Nicotine exposure increases markers of oxidant stress in stored red blood cells from healthy donor volunteers. <i>Transfusion</i> , 2020, 60, 1160-1174.	1.6	33
38	The impact of discontinuation of 7-day storage of apheresis platelets (PASSPORT) on recipient safety: an illustration of the need for proper risk assessments. <i>Transfusion</i> , 2009, 49, 903-912.	1.6	30
39	Impact of taurine on red blood cell metabolism and implications for blood storage. <i>Transfusion</i> , 2020, 60, 1212-1226.	1.6	30
40	Comparison between manufacturing sites shows differential adhesion, activation, and GPIb α expression of cryopreserved platelets. <i>Transfusion</i> , 2018, 58, 2645-2656.	1.6	29
41	Blood donor obesity is associated with changes in red blood cell metabolism and susceptibility to hemolysis in cold storage and in response to osmotic and oxidative stress. <i>Transfusion</i> , 2021, 61, 435-448.	1.6	29
42	Deterioration of red blood cell mechanical properties is reduced in anaerobic storage. <i>Blood Transfusion</i> , 2016, 14, 80-8.	0.4	29
43	Interference of New Drugs with Compatibility Testing for Blood Transfusion. <i>New England Journal of Medicine</i> , 2016, 375, 295-296.	27.0	28
44	Quality Improvement by Standardization of Procurement and Processing of Thyroid Fine-Needle Aspirates in the Absence of On-site Cytological Evaluation. <i>Thyroid</i> , 2009, 19, 1049-1052.	4.5	26
45	Novel platelet storage conditions. <i>Current Opinion in Hematology</i> , 2014, 21, 491-496.	2.5	26
46	In vitro and in vivo quality of leukoreduced apheresis platelets stored in a new platelet additive solution. <i>Transfusion</i> , 2013, 53, 972-980.	1.6	25
47	Routine bacterial screening of apheresis platelets on day 4 using a rapid test: a 4-year single-center experience. <i>Transfusion</i> , 2013, 53, 2307-2313.	1.6	25
48	Bacterial growth kinetics in ACD A apheresis platelets: comparison of plasma and PAS III storage. <i>Transfusion</i> , 2011, 51, 1079-1085.	1.6	22
49	A Study of the Pharmacokinetic Properties and the In Vivo Kinetics of Erythrocytes Loaded With Dexamethasone Sodium Phosphate in Healthy Volunteers. <i>Transfusion Medicine Reviews</i> , 2018, 32, 102-110.	2.0	22
50	A randomized controlled trial comparing autologous radiolabeled in vivo platelet (PLT) recoveries and survivals of 7-day stored PLT-rich plasma and buffy coat PLTs from the same subjects. <i>Transfusion</i> , 2011, 51, 1241-1248.	1.6	21
51	How do we implement Day 6 and Day 7 platelets at a hospital-based transfusion service?. <i>Transfusion</i> , 2016, 56, 1262-1266.	1.6	21
52	FASN and CD36 predict survival in rituximab-treated diffuse large B-cell lymphoma. <i>Journal of Hematopathology</i> , 2013, 6, 11-18.	0.4	20
53	A systematic assessment of the quality of reporting for platelet transfusion studies. <i>Transfusion</i> , 2010, 50, 2135-2144.	1.6	19
54	Cryopreserved platelets: frozen in a logjam?. <i>Transfusion</i> , 2014, 54, 1907-1910.	1.6	19

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55	Selecting COVID-19 convalescent plasma for neutralizing antibody potency using a high-capacity SARS-CoV-2 antibody assay. <i>Transfusion</i> , 2021, 61, 1160-1170.	1.6	18
56	Overnight, room temperature hold of whole blood followed by 42-day storage of red blood cells in additive solution-7. <i>Transfusion</i> , 2015, 55, 485-490.	1.6	16
57	A flow cytometric method for detection and enumeration of low-level, residual red blood cells in platelets and mononuclear cell products. <i>Transfusion</i> , 2006, 46, 966-972.	1.6	15
58	Frozen platelets. <i>Transfusion and Apheresis Science</i> , 2019, 58, 23-29.	1.0	15
59	Frozen Platelets—Development and Future Directions. <i>Transfusion Medicine Reviews</i> , 2020, 34, 286-293.	2.0	15
60	Detecting failed WBC-reduction processes: computer simulations of intermittent and continuous process failure. <i>Transfusion</i> , 2000, 40, 1427-1433.	1.6	11
61	The bioequivalence of frozen plasma prepared from whole blood held overnight at room temperature compared to fresh-frozen plasma prepared within eight hours of collection. <i>Transfusion</i> , 2015, 55, 476-484.	1.6	11
62	Distinct SARS-CoV-2 antibody reactivity patterns in coronavirus convalescent plasma revealed by a coronavirus antigen microarray. <i>Scientific Reports</i> , 2021, 11, 7554.	3.3	11
63	Autologous transfusion recovery of WBC-reduced high-concentration platelet concentrates. <i>Transfusion</i> , 2002, 42, 1333-1339.	1.6	9
64	A Multicenter, Prospective, Observational, Cohort-Controlled Study of Clinical Outcomes Following Coronavirus Disease 2019 (COVID-19) Convalescent Plasma Therapy in Hospitalized Patients With COVID-19. <i>Clinical Infectious Diseases</i> , 2022, 75, e466-e472.	5.8	9
65	Consensus Statement: Hemostasis Trial Outcomes in Cardiac Surgery and Mechanical Support. <i>Annals of Thoracic Surgery</i> , 2022, 113, 1026-1035.	1.3	9
66	Validation of a microbial detection system for use with ACD-A platelets with PAS III platelet additive solution. <i>Transfusion</i> , 2011, 51, 2219-2227.	1.6	8
67	Early post-infection treatment of SARS-CoV-2 infected macaques with human convalescent plasma with high neutralizing activity had no antiviral effects but moderately reduced lung inflammation. <i>PLoS Pathogens</i> , 2022, 18, e1009925.	4.7	8
68	Apheresis buffy coat collection without photoactivation has no effect on apoptosis, cell proliferation, and total viability of mononuclear cells collected using photopheresis systems. <i>Transfusion</i> , 2018, 58, 943-950.	1.6	7
69	Progression and Predictors of SARS-CoV-2 Antibody Seroreactivity In US Blood Donors. <i>Transfusion Medicine Reviews</i> , 2021, 35, 8-15.	2.0	7
70	A reporting guideline for clinical platelet transfusion studies from the BEST Collaborative. <i>Transfusion</i> , 2013, 53, 1328-1334.	1.6	5
71	The prevalence and demographic determinants of blood donors receiving testosterone replacement therapy at a large USA blood service organization. <i>Transfusion</i> , 2020, 60, 947-954.	1.6	5
72	Treatment of Bleeding in Severely Thrombocytopenic Patients with Transfusion of Dimethyl Sulfoxide (DMSO) Cryopreserved Platelets (CPP) Is Safe - Report of a Phase 1 Dose Escalation Safety Trial. <i>Blood</i> , 2016, 128, 1030-1030.	1.4	5

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73	Cryopreservation of rare pediatric red blood cells for support following bone marrow transplant. Transfusion, 2022, 62, 954-960.	1.6	5
74	Comparison of computerized formulae for determination of platelet recovery and survival. Transfusion, 2005, 45, 1237-1239.	1.6	4
75	Correlation Between Red Blood Cell Survival and Cytochrome P450 1A2 Enzyme Activity. Blood, 2013, 122, 3658-3658.	1.4	4
76	Successful use of citrate anticoagulant with heparin bolus for excessive clotting during extracorporeal photopheresis. Transfusion, 2012, 52, 2494-2495.	1.6	3
77	Evaluation of amotosalen and UVA pathogen-reduced apheresis platelets after 7-day storage. Transfusion, 2022, 62, 1619-1629.	1.6	3
78	Statistical Process Validation of Leucoreduced Blood Components. Transfusion Science, 1998, 19, 35-37.	0.6	2
79	Automated collection of double red blood cell units with a variable-volume separation chamber. Transfusion, 2007, 48, 071003012013004-???	1.6	2
80	Shake, rattle, and roll preventing platelets from turning into Golden Oldies. Transfusion, 2008, 48, 2487-2489.	1.6	2
81	Hematopoietic stem cell transplantation: is ABO A match made in heaven? Transfusion, 2009, 49, 612-614.	1.6	2
82	Applications of Cellular Radiolabeling in Transfusion Medicine. , 0, , 298-317.		2
83	The evolution of COVID-19 vaccination within a US blood center. Transfusion, 2021, 61, 2528-2529.	1.6	2
84	Toxic masculinity in red blood cell units? Testosterone therapy in blood donors revisited. Transfusion, 2021, 61, 3174-3180.	1.6	2
85	International Validation of a Dithiothreitol (DTT)-Based Method to Resolve the Daratumumab Interference with Blood Compatibility Testing. Blood, 2015, 126, 3567-3567.	1.4	2
86	The In Vivo Recovery/Survival and Pharmacokinetic Properties of Dexamethasone Sodium Phosphate Encapsulated in Autologous Erythrocytes. Blood, 2016, 128, 2629-2629.	1.4	2
87	Ex Vivo Factors Affecting Contact Phase Activation in Negatively Charged Medical Devices. Blood, 1999, 93, 2129-2131.	1.4	1
88	Retrospective cohort studies of repeat donors reveal donor-dependent variability in the recovery of transfused platelets. Transfusion, 2020, 60, 1837-1845.	1.6	1
89	Random Healthy Donor Sera Show Varying Effectiveness in Hemolyzing ABO Incompatible Red Blood Cells. Blood, 2006, 108, 958-958.	1.4	1
90	The above letter was sent to Drs AuBuchon and Dumont; they offered the following reply. Transfusion, 2007, 47, 947-947.	1.6	0

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91	Retrograde patient blood flow and rouleaux preventing red blood cell transfusion. <i>Transfusion</i> , 2012, 52, 2284-2284.	1.6	0
92	Recovery of Donor Peripheral Blood Platelet Count Following Platelet Apheresis.. <i>Blood</i> , 2007, 110, 2892-2892.	1.4	0
93	Exploratory in Vitro Study of Red Blood Cell Storage Container with An Alternative Plasticizer.. <i>Blood</i> , 2009, 114, 3149-3149.	1.4	0
94	A Genetic Basis for Donor Variation in Generation of Prostaglandins and Leukotrienes in Stored RBCs Using a Mouse Model. <i>Blood</i> , 2012, 120, 844-844.	1.4	0
95	Platelets: Frozen and Freeze-Dried Current Products in Development and Regulatory Licensing Challenges. , 2020, , 163-184.		0
96	Commentary on the 1976 <i>Transfusion</i> paper by Aster, Becker, and Filip. <i>Transfusion</i> , 2022, 62, 942-947.	1.6	0