Eldad A Hod

List of Publications by Year
in descending order

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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	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
2	Donor genetic and nongenetic factors affecting red blood cell transfusion effectiveness. JCI Insight, 2022, 7, .	5.0	29
3	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
4	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
5	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
6	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
7	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
8	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
9	Direct diagnostic testing of SARS-CoV-2 without the need for prior RNA extraction. Scientific Reports, 2021, 11, 2402.	3.3	52
10	Approaching the Interpretation of Discordances in SARS-CoV-2 Testing. Open Forum Infectious Diseases, 2021, 8, ofab144.	0.9	2
11	Field-deployable, rapid diagnostic testing of saliva for SARS-CoV-2. Scientific Reports, 2021, 11, 5448.	3.3	33
12	Rapid clearance of storage-induced microerythrocytes alters transfusion recovery. Blood, 2021, 137, 2285-2298.	1.4	45
13	Impacts of ABO-incompatible platelet transfusions on platelet recovery and outcomes after intracerebral hemorrhage. Blood, 2021, 137, 2699-2703.	1.4	19
14	Hematologic and systemic metabolic alterations due to Mediterranean class II G6PD deficiency in mice. JCI Insight, 2021, 6, .	5.0	17
15	A randomized double-blind controlled trial of convalescent plasma in adults with severe COVID-19. Journal of Clinical Investigation, 2021, 131, .	8.2	131
16	Biological and Clinical Factors Contributing to the Metabolic Heterogeneity of Hospitalized Patients with and without COVID-19. Cells, 2021, 10, 2293.	4.1	37
17	Stressed erythrophagocytosis induces immunosuppression during sepsis through heme-mediated STAT1 dysregulation. Journal of Clinical Investigation, 2021, 131, .	8.2	31
18	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

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19	Center-related Bias in MELD Scores Within a Liver Transplant UNOS Region: A Call for Standardization. Transplantation, 2020, 104, 1396-1402.	1.0	8
20	Red Blood Cell Transfusions and Outcomes After Intracerebral Hemorrhage. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 105317.	1.6	9
21	Types of Assays for SARS-CoV-2 Testing: A Review. Laboratory Medicine, 2020, 51, e59-e65.	1.2	57
22	ZOOMICS: Comparative Metabolomics of Red Blood Cells From Old World Monkeys and Humans. Frontiers in Physiology, 2020, 11, 593841.	2.8	19
23	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
24	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
25	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
26	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
27	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
28	COVID-19 infection alters kynurenine and fatty acid metabolism, correlating with IL-6 levels and renal status. JCI Insight, 2020, 5, .	5.0	412
29	Donor glucose-6-phosphate dehydrogenase deficiency decreases blood quality for transfusion. Journal of Clinical Investigation, 2020, 130, 2270-2285.	8.2	69
30	Deployment of convalescent plasma for the prevention and treatment of COVID-19. Journal of Clinical Investigation, 2020, 130, 2757-2765.	8.2	649
31	Low hemoglobin and hematoma expansion after intracerebral hemorrhage. Neurology, 2019, 93, e372-e380.	1.1	41
32	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
33	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
34	Reexamination of the chromiumâ€51â€“labeled posttransfusion red blood cell recovery method. Transfusion, 2019, 59, 2264-2275.	1.6	21
35	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
36	ABO Blood Type and Hematoma Expansion After Intracerebral Hemorrhage: An Exploratory Analysis. Neurocritical Care, 2019, 31, 66-71.	2.4	9

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37	Storage Primes Erythrocytes for Necroptosis and Clearance. Cellular Physiology and Biochemistry, 2019, 53, 496-507.	1.6	9
38	Linking Stored Red Blood Cell Metabolism to Transfusion Recipient Iron Homeostasis Pathophysiology in Critically-Ill Children. Blood, 2019, 134, 1175-1175.	1.4	0
39	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
40	Increased erythrophagocytosis induces ferroptosis in red pulp macrophages in a mouse model of transfusion. Blood, 2018, 131, 2581-2593.	1.4	119
41	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
42	Macrophage Recycling of Red Blood Cells and Iron Following Transfusion. Blood, 2018, 132, SCI-3-SCI-3.	1.4	1
43	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
44	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
45	The questions surrounding stored blood do not get old. Transfusion, 2017, 57, 1328-1331.	1.6	1
46	Red Blood Cell Storage Lesion-Induced Adverse Effects: More Smoke; Is There Fire?. Anesthesia and Analgesia, 2017, 124, 1752-1754.	2.2	10
47	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
48	Storage Lesion: Evolving Concepts and Controversies. Respiratory Medicine, 2017, , 175-191.	0.1	0
49	The controversy over the age of blood: what do the clinical trials really teach us?. Blood Transfusion, 2017, 15, 112-115.	0.4	33
50	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
51	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
52	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
53	Bridging channel dendritic cells induce immunity to transfused red blood cells. Journal of Experimental Medicine, 2016, 213, 887-896.	8.5	89
54	Management of the Platelet Refractory Patient. Hematology/Oncology Clinics of North America, 2016, 30, 665-677.	2.2	46

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55	The Nlrp3 Inflammasome Does Not Regulate Alloimmunization to Transfused Red Blood Cells in Mice. EBioMedicine, 2016, 9, 77-86.	6.1	20
56	The outsider adverse event in transfusion: Inflammation. Presse Medicale, 2016, 45, e325-e329.	1.9	14
57	Disposal of iron by a mutant form of lipocalin 2. Nature Communications, 2016, 7, 12973.	12.8	43
58	Atrial Cardiopathy and Cryptogenic Stroke: A Cross-sectional Pilot Study. Journal of Stroke and Cerebrovascular Diseases, 2016, 25, 110-114.	1.6	60
59	Prolonged red cell storage before transfusion increases extravascular hemolysis. Journal of Clinical Investigation, 2016, 127, 375-382.	8.2	166
60	Chronic Transfusion and Iron Overload Modify the Mouse Gut Microbiome. Blood, 2016, 128, 200-200.	1.4	7
61	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
62	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
63	Red blood cell transfusionâ€induced inflammation: myth or reality. ISBT Science Series, 2015, 10, 188-191.	1.1	23
64	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
65	57: Hydroxyurea Interference in Point-of-Care Creatinine and Glucose Measurements. American Journal of Clinical Pathology, 2015, 143, A030-A030.	0.7	4
66	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
67	Downtime Procedures for the 21st Century. American Journal of Clinical Pathology, 2015, 143, 100-104.	0.7	10
68	Effects of Red-Cell Storage Duration on Patients Undergoing Cardiac Surgery. New England Journal of Medicine, 2015, 372, 1419-1429.	27.0	422
69	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
70	New perspectives on the thrombotic complications of haemolysis. British Journal of Haematology, 2015, 168, 175-185.	2.5	58
71	Phagocytosis-Mediated Acute Hemolytic Events Induce Distinct Responses By Inflammatory Monocytes. Blood, 2015, 126, 3563-3563.	1.4	0
72	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

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73	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
74	Determination of RBC Survival in C57BL/6 and C57BL/6-Tg(UBC-GFP) Mice. Comparative Medicine, 2015, 65, 196-201.	1.0	20
75	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
76	Strainâ€specific red blood cell storage, metabolism, and eicosanoid generation in a mouse model. Transfusion, 2014, 54, 137-148.	1.6	87
77	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
78	Human-Specific Bacterial Pore-Forming Toxins Induce Programmed Necrosis in Erythrocytes. MBio, 2014, 5, e01251-14.	4.1	46
79	Transfusion of stored blood impairs host defenses against <scp>G</scp>ramâ€negative pathogens in mice. Transfusion, 2014, 54, 2842-2851.	1.6	47
80	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
81	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
82	International Comparison Study of Toxic Iron Assays in Patients with Iron Overload Disorders. Blood, 2014, 124, 4033-4033.	1.4	0
83	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
84	Frequency of glucoseâ€6â€phosphate dehydrogenaseâ€“deficient red blood cell units in a metropolitan transfusion service. Transfusion, 2013, 53, 606-611.	1.6	43
85	Transfusion Practices and Infections At Four Level III Neonatal Intensive Care Units. Blood, 2013, 122, 3657-3657.	1.4	1
86	G6PD Deficiency In An HIV Clinic Setting In The Dominican Republic. Blood, 2013, 122, 1695-1695.	1.4	3
87	Validation and Preclinical Correlation of a New Sandwich ELISA for Measuring Murine Hepcidin.. Blood, 2012, 120, 2100-2100.	1.4	3
88	The Role of Iron in Toxicity of Stored Red Blood Cell Units. Blood, 2012, 120, SCI-46-SCI-46.	1.4	1
89	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
90	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

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91	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
92	CXCL1 and its receptor, CXCR2, mediate murine sickle cell vasoâ€•occlusion during hemolytic transfusion reactions. FASEB Journal, 2011, 25, 116.8.	0.5	0
93	IMMUNOHEMATOLOGY: Storage of murine red blood cells enhances alloantibody responses to an erythroidâ€•specific model antigen. Transfusion, 2010, 50, 642-648.	1.6	71
94	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
95	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
96	Fresh Murine Red Blood Cells Abrogate the Enhanced Alloimmunogenicity of Stored Murine Red Blood Cells. Blood, 2010, 116, 663-663.	1.4	0
97	Effects of Iron Status and Iron Supplementation on Salmonella Typhimurium and Plasmodium Yoelii Infection In Mice. Blood, 2010, 116, 2052-2052.	1.4	0
98	A novel mouse model of red blood cell storage and posttransfusion in vivo survival. Transfusion, 2009, 49, 1546-1553.	1.6	106
99	Leukoreduction Decreases Alloimmunogenicity of Transfused Murine HOD RBCs.. Blood, 2009, 114, 640-640.	1.4	1
100	Hypothesis: hemolytic transfusion reactions represent an alternative type of anaphylaxis. International Journal of Clinical and Experimental Pathology, 2009, 2, 71-82.	0.5	6
101	Platelet transfusion refractoriness. British Journal of Haematology, 2008, 142, 348-360.	2.5	283
102	Cytokine storm in a mouse model of IgG-mediated hemolytic transfusion reactions. Blood, 2008, 112, 891-894.	1.4	44
103	Lessons learned from mouse models of hemolytic transfusion reactions. Current Opinion in Hematology, 2008, 15, 601-605.	2.5	12
104	Carbohydrate Blood Groups. , 0, , 89-108.		2