

Richard H Aster

List of Publications by Year in descending order

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58
papers

3,749
citations

186209

28
h-index

161767

54
g-index

59
all docs

59
docs citations

59
times ranked

1850
citing authors

#	ARTICLE	IF	CITATIONS
1	Platelet Sequestration in Man. I. Methods*. Journal of Clinical Investigation, 1964, 43, 843-855.	3.9	760
2	Drug-Induced Immune Thrombocytopenia. New England Journal of Medicine, 2007, 357, 580-587.	13.9	502
3	Successful transfusion of platelets "mismatched" for HLA antigens to alloimmunized thrombocytopenic patients. American Journal of Hematology, 1977, 2, 219-226.	2.0	212
4	Neonatal alloimmune thrombocytopenia: pathogenesis, diagnosis and management. British Journal of Haematology, 2013, 161, 3-14.	1.2	149
5	IVIg for Treatment of Severe Refractory Heparin-Induced Thrombocytopenia. Chest, 2017, 152, 478-485.	0.4	113
6	Antibodies From Patients With Heparin-Induced Thrombocytopenia/Thrombosis Recognize Different Epitopes on Heparin: Platelet Factor 4. Blood, 1998, 91, 916-922.	0.6	110
7	Quinine-induced immune thrombocytopenia with hemolytic uremic syndrome: Clinical and serological findings in nine patients and review of literature. American Journal of Hematology, 1994, 47, 283-289.	2.0	106
8	Characterization of the humoral immune response in heparin-induced thrombocytopenia. , 1997, 54, 196-201.		103
9	Platelet Factor 4 Differentially Modulates CD4+CD25+ (Regulatory) versus CD4+CD25+ (Nonregulatory) T Cells. Journal of Immunology, 2005, 174, 2680-2686.	0.4	103
10	Blood group A and B antigens are strongly expressed on platelets of some individuals. Blood, 2000, 96, 1574-1581.	0.6	99
11	Patients with quinine-induced immune thrombocytopenia have both "drug-dependent" and "drug-specific" antibodies. Blood, 2006, 108, 922-927.	0.6	90
12	A Novel PF4-Dependent Platelet Activation Assay Identifies Patients Likely to Have Heparin-Induced Thrombocytopenia/Thrombosis. Chest, 2016, 150, 506-515.	0.4	80
13	Evidence that platelet buoyant density, but not size, correlates with platelet age in man. American Journal of Hematology, 1981, 11, 61-76.	2.0	79
14	Drug-induced immune cytopenias. Toxicology, 2005, 209, 149-153.	2.0	79
15	Heparin-independent, PF4-dependent binding of HIT antibodies to platelets: implications for HIT pathogenesis. Blood, 2015, 125, 155-161.	0.6	79
16	Inhibition of Human Umbilical Vein Endothelial Cell Proliferation by the CXC Chemokine, Platelet Factor 4 (PF4), Is Associated With Impaired Downregulation of p21Cip1/WAF1. Blood, 1999, 93, 25-33.	0.6	76
17	Disease burden, complication rates, and health-care costs of heparin-induced thrombocytopenia in the USA: a population-based study. Lancet Haematology, the, 2018, 5, e220-e231.	2.2	76
18	Importance of White Blood Cells in Platelet Storage¹. Vox Sanguinis, 1984, 47, 101-107.	0.7	72

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19	Detection of drug-dependent antibodies by the 51cr platelet lysis test: Documentation of immune thrombocytopenia induced by diphenylhydantoin, diazepam, and sulfisoxazole. <i>American Journal of Hematology</i> , 1977, 2, 65-72.	2.0	70
20	Maternal alloimmunization against the rare platelet-specific antigen HPA-9b (Maxa) is an important cause of neonatal alloimmune thrombocytopenia. <i>Transfusion</i> , 2005, 45, 1487-1495.	0.8	61
21	Expression of HLA-B*12 on Platelets, on Lymphocytes and in Serum: a Quantitative Study. <i>Tissue Antigens</i> , 1977, 9, 199-208.	1.0	56
22	Post-transfusion purpura: An enigma of alloimmunization. <i>American Journal of Hematology</i> , 1980, 9, 331-336.	2.0	54
23	Treatment of thrombotic thrombocytopenic purpura by exchange transfusion. <i>American Journal of Hematology</i> , 1977, 3, 73-82.	2.0	50
24	B-cell tolerance regulates production of antibodies causing heparin-induced thrombocytopenia. <i>Blood</i> , 2014, 123, 931-934.	0.6	50
25	Post-transfusion purpura associated with alloimmunization against the platelet-specific antigen, baka. <i>American Journal of Hematology</i> , 1986, 21, 79-88.	2.0	48
26	Posttransfusion purpura: Therapeutic failure of PIAI-negative platelet transfusion. <i>American Journal of Hematology</i> , 1979, 6, 71-75.	2.0	36
27	Fine specificity of drug-dependent antibodies reactive with a restricted domain of platelet GPIIIa. <i>Blood</i> , 2008, 111, 1234-1239.	0.6	34
28	Human anti-PIE antibody recognizes epitopes associated with the alpha subunit of platelet glycoprotein Ib. <i>British Journal of Haematology</i> , 1988, 68, 103-110.	1.2	31
29	Thrombocytopenia Resulting from Sensitivity to GPIIb-IIIa Inhibitors. <i>Seminars in Thrombosis and Hemostasis</i> , 2004, 30, 569-577.	1.5	30
30	Structural basis for quinine-dependent antibody binding to platelet integrin α IIb β 3. <i>Blood</i> , 2015, 126, 2138-2145.	0.6	26
31	Critical role of CD4 T cells in PF4/heparin antibody production in mice. <i>Blood</i> , 2015, 125, 1826-1829.	0.6	26
32	Mechanism of quinine-dependent monoclonal antibody binding to platelet glycoprotein IIb/IIIa. <i>Blood</i> , 2015, 126, 2146-2152.	0.6	24
33	Matching of blood platelets for transfusion. <i>American Journal of Hematology</i> , 1978, 5, 373-378.	2.0	23
34	HLA Antigens of Platelets. IV. Influence of α -Private β -HLA β Locus Specificities on the Expression of Bw4 and Bw6 on Human Platelets. <i>Tissue Antigens</i> , 1980, 15, 361-368.	1.0	23
35	Low-frequency human platelet antigens as triggers for neonatal alloimmune thrombocytopenia. <i>Transfusion</i> , 2014, 54, 1286-1293.	0.8	20
36	A Platelet Factor 4-Dependent Platelet Activation Assay Facilitates Early Detection of Pathogenic Heparin-Induced Thrombocytopenia Antibodies. <i>Chest</i> , 2017, 152, e77-e80.	0.4	20

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37	Posttransfusion purpura associated with alloantibody specific for the platelet antigen, Pena. American Journal of Hematology, 1988, 29, 38-40.	2.0	19
38	A modified PF4-dependent, CD62p expression assay selectively detects serotonin-releasing antibodies in patients suspected of HIT. Thrombosis and Haemostasis, 2015, 114, 1322-1323.	1.8	19
39	Platelet satellitism and phagocytosis by neutrophils: Association with antiplatelet antibodies and lymphoma. American Journal of Hematology, 1978, 4, 313-323.	2.0	18
40	Patients treated with oxaliplatin are at risk for thrombocytopenia caused by multiple drug-dependent antibodies. Blood, 2018, 131, 1486-1489.	0.6	17
41	Regulatory T Cells Control PF4/Heparin Antibody Production in Mice. Journal of Immunology, 2019, 203, 1786-1792.	0.4	15
42	Blood platelet kinetics and platelet transfusion. Journal of Clinical Investigation, 2013, 123, 4564-4565.	3.9	15
43	Use of Immobilized Platelet Membrane Glycoproteins for the Detection of Platelet-Specific Alloantibodies in Solid-Phase ELISA. Vox Sanguinis, 1987, 53, 157-161.	0.7	13
44	Probable genetic linkage between genes coding for platelet-specific antigens of the PIA and bak systems. American Journal of Hematology, 1988, 29, 139-143.	2.0	12
45	Bioengineered iPSC-derived megakaryocytes for the detection of platelet-specific patient alloantibodies. Blood, 2019, 134, e1-e8.	0.6	12
46	Preselection of donors to improve the quality of cryoprecipitate. American Journal of Hematology, 1980, 8, 191-196.	2.0	8
47	Idiopathic (autoimmune) thrombocytopenic purpura with a complement-fixing autoantibody and response to plasma exchange. Scandinavian Journal of Haematology, 1985, 35, 525-530.	0.0	7
48	Thrombocytopenia induced by GPIIB/IIIa inhibitors. Blood, 2003, 101, 1-1.	0.6	6
49	Thrombocytopenia in the HIV-Infected Patient. Hospital Practice (1995), 1994, 29, 81-86.	0.5	4
50	Effect of Hemolysis on Apparent Values of Platelet-Associated IgG. American Journal of Clinical Pathology, 1987, 87, 218-222.	0.4	3
51	Beta-lactam-induced severe neutropenia: a descriptive study. Fundamental and Clinical Pharmacology, 2019, 33, 223-224.	1.0	3
52	How platelet transfusions were invented. Transfusion, 2021, 61, 3483-3486.	0.8	3
53	Immune thrombocytopenia induced by beta-lactam antibiotics: Cross-reactions of responsible antibodies with other beta-lactam drugs. Transfusion, 2021, 61, 1600-1608.	0.8	2
54	A naturally occurring, warm-reactive macroglobulin specific for papain-treated human platelets: Preliminary characterization. American Journal of Hematology, 1986, 21, 189-199.	2.0	1

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55	Persistence and Progression of Immunologic Abnormalities in Haemophilia. <i>Thrombosis and Haemostasis</i> , 1985, 53, 328-331.	1.8	1
56	Immune Thrombocytopenias. <i>Hospital Practice</i> (1995), 1983, 18, 187-202.	0.5	0
57	Drug-Induced Thrombocytopenia following a Transvaginal Oocyte Retrieval for In Vitro Fertilization. <i>Case Reports in Obstetrics and Gynecology</i> , 2015, 2015, 1-3.	0.2	0
58	Drug-Dependent Murine Monoclonal Antibodies (mAbs) Mimic Antibodies Found in Patients with Drug-Induced Immune Thrombocytopenia (TP).. <i>Blood</i> , 2005, 106, 731-731.	0.6	0