

John W Semple

List of Publications by Year in descending order

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Version: 2024-02-01

117
papers

7,224
citations

71102

41
h-index

58581

82
g-index

118
all docs

118
docs citations

118
times ranked

7032
citing authors

#	ARTICLE	IF	CITATIONS
1	Platelets and the immune continuum. <i>Nature Reviews Immunology</i> , 2011, 11, 264-274.	22.7	1,361
2	Platelets release mitochondria serving as substrate for bactericidal group IIA-secreted phospholipase A2 to promote inflammation. <i>Blood</i> , 2014, 124, 2173-2183.	1.4	513
3	Platelet Toll-like receptor expression modulates lipopolysaccharide-induced thrombocytopenia and tumor necrosis factor- α production in vivo. <i>Blood</i> , 2006, 107, 637-641.	1.4	431
4	Pathogenesis and Therapeutic Mechanisms in Immune Thrombocytopenia (ITP). <i>Journal of Clinical Medicine</i> , 2017, 6, 16.	2.4	318
5	Platelets and innate immunity. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 499-511.	5.4	277
6	A murine model of severe immune thrombocytopenia is induced by antibody- and CD8+ T cell-mediated responses that are differentially sensitive to therapy. <i>Blood</i> , 2010, 115, 1247-1253.	1.4	176
7	Transfusion-associated circulatory overload and transfusion-related acute lung injury. <i>Blood</i> , 2019, 133, 1840-1853.	1.4	174
8	Nouvelle Cuisine: Platelets Served with Inflammation. <i>Journal of Immunology</i> , 2015, 194, 5579-5587.	0.8	170
9	T granules in human platelets function in TLR9 organization and signaling. <i>Journal of Cell Biology</i> , 2012, 198, 561-574.	5.2	162
10	Cellular immune dysfunction in immune thrombocytopenia (<sc>ITP</sc>). <i>British Journal of Haematology</i> , 2013, 163, 10-23.	2.5	155
11	Platelet-bound lipopolysaccharide enhances Fc receptor-mediated phagocytosis of IgG-opsonized platelets. <i>Blood</i> , 2007, 109, 4803-4805.	1.4	122
12	The Immune Nature of Platelets Revisited. <i>Transfusion Medicine Reviews</i> , 2020, 34, 209-220.	2.0	104
13	Pathogenesis of immune thrombocytopenia. <i>Presse Medicale</i> , 2014, 43, e49-e59.	1.9	101
14	IVIg inhibits reticuloendothelial system function and ameliorates murine passive immune thrombocytopenia independent of anti-idiotypic reactivity. <i>British Journal of Haematology</i> , 2001, 115, 679-686.	2.5	96
15	Characterization of platelet-reactive antibodies in children with varicella-associated acute immune thrombocytopenic purpura (ITP). <i>British Journal of Haematology</i> , 1996, 95, 145-152.	2.5	95
16	T regulatory cells and dendritic cells protect against transfusion-related acute lung injury via IL-10. <i>Blood</i> , 2017, 129, 2557-2569.	1.4	93
17	Cellular immune mechanisms in autoimmune thrombocytopenic purpura: An update. <i>Transfusion Medicine Reviews</i> , 2003, 17, 69-80.	2.0	91
18	Mature murine megakaryocytes present antigen-MHC class I molecules to T cells and transfer them to platelets. <i>Blood Advances</i> , 2017, 1, 1773-1785.	5.2	90

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19	Thymic retention of CD4+CD25+FoxP3+ T regulatory cells is associated with their peripheral deficiency and thrombocytopenia in a murine model of immune thrombocytopenia. <i>Blood</i> , 2012, 120, 2127-2132.	1.4	86
20	A role for IL-1 receptor antagonist or other cytokines in the acute therapeutic effects of IVIg?. <i>Blood</i> , 2007, 109, 155-158.	1.4	81
21	A novel murine model of fetal and neonatal alloimmune thrombocytopenia: response to intravenous IgG therapy. <i>Blood</i> , 2006, 107, 2976-2983.	1.4	80
22	An update on the pathophysiology of immune thrombocytopenia. <i>Current Opinion in Hematology</i> , 2020, 27, 423-429.	2.5	79
23	Current problems and future directions of transfusion-induced alloimmunization: summary of an NHLBI working group. <i>Transfusion</i> , 2011, 51, 435-441.	1.6	78
24	Recent progress in understanding the pathogenesis of immune thrombocytopenia. <i>Current Opinion in Hematology</i> , 2010, 17, 590-595.	2.5	72
25	The Pathogenic Involvement of Neutrophils in Acute Respiratory Distress Syndrome and Transfusion-Related Acute Lung Injury. <i>Transfusion Medicine and Hemotherapy</i> , 2018, 45, 290-298.	1.6	70
26	Intravenous immunoglobulin inhibits anti-glycoprotein IIb-induced platelet apoptosis in a murine model of immune thrombocytopenia. <i>British Journal of Haematology</i> , 2006, 133, 060207074859002.	2.5	67
27	The immunopathogenesis of immune thrombocytopenia. <i>Current Opinion in Hematology</i> , 2012, 19, 357-362.	2.5	67
28	Transfusion-related immunomodulation by platelets is dependent on their expression of MHC Class I molecules and is independent of white cells. <i>Transfusion</i> , 2008, 48, 1778-1786.	1.6	65
29	Autoimmune Pathogenesis and Autoimmune Hemolytic Anemia. <i>Seminars in Hematology</i> , 2005, 42, 122-130.	3.4	57
30	Peripheral blood monocyte-derived chemokine blockade prevents murine transfusion-related acute lung injury (TRALI). <i>Blood</i> , 2014, 123, 3496-3503.	1.4	57
31	CD20+ B-cell depletion therapy suppresses murine CD8+ T-cell-mediated immune thrombocytopenia. <i>Blood</i> , 2016, 127, 735-738.	1.4	55
32	C-reactive protein enhances murine antibody-mediated transfusion-related acute lung injury. <i>Blood</i> , 2015, 126, 2747-2751.	1.4	54
33	Platelets as immune-sensing cells. <i>Blood Advances</i> , 2016, 1, 10-14.	5.2	53
34	Flow Cytometric Parameters for Characterizing Platelet Activation by Measuring P-Selectin (CD62) Expression: Theoretical Consideration and Evaluation in Thrombin-Treated Platelet Populations. <i>Biochemical and Biophysical Research Communications</i> , 2000, 269, 85-90.	2.1	51
35	Recipient T lymphocytes modulate the severity of antibody-mediated transfusion-related acute lung injury. <i>Blood</i> , 2010, 116, 3073-3079.	1.4	50
36	Intravenous Immunoglobulin Prevents Murine Antibody-Mediated Acute Lung Injury at the Level of Neutrophil Reactive Oxygen Species (ROS) Production. <i>PLoS ONE</i> , 2012, 7, e31357.	2.5	50

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37	Targeting Transfusion-Related Acute Lung Injury: The Journey From Basic Science to Novel Therapies. <i>Critical Care Medicine</i> , 2018, 46, e452-e458.	0.9	49
38	Suppressed natural killer cell activity in patients with chronic autoimmune thrombocytopenic purpura. <i>American Journal of Hematology</i> , 1991, 37, 258-262.	4.1	47
39	Anti-D initially stimulates an Fc-dependent leukocyte oxidative burst and subsequently suppresses erythrophagocytosis via interleukin-1 receptor antagonist. <i>Blood</i> , 2003, 102, 2862-2867.	1.4	47
40	Extreme Leukoreduction of Major Histocompatibility Complex Class II Positive B Cells Enhances Alloeneic Platelet Immunity. <i>Blood</i> , 1999, 93, 713-720.	1.4	46
41	Recent advances in the mechanisms and treatment of immune thrombocytopenia. <i>EBioMedicine</i> , 2022, 76, 103820.	6.1	46
42	Gastrointestinal microbiota contributes to the development of murine transfusion-related acute lung injury. <i>Blood Advances</i> , 2018, 2, 1651-1663.	5.2	44
43	Platelet EVs contain an active proteasome involved in protein processing for antigen presentation via MHC-I molecules. <i>Blood</i> , 2021, 138, 2607-2620.	1.4	44
44	Platelet extracellular vesicles mediate transfusion-related acute lung injury by imbalancing the sphingolipid rheostat. <i>Blood</i> , 2021, 137, 690-701.	1.4	43
45	Osteopontin mediates murine transfusion-related acute lung injury via stimulation of pulmonary neutrophil accumulation. <i>Blood</i> , 2019, 134, 74-84.	1.4	42
46	Acute Lung Injury Causes Asynchronous Alveolar Ventilation That Can Be Corrected by Individual Sighs. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 396-406.	5.6	40
47	Unique processing pathways within recipient antigen-presenting cells determine IgG immunity against donor platelet MHC antigens. <i>Blood</i> , 2000, 95, 1735-1742.	1.4	38
48	Quantification of Platelet Activation Status by Analyzing P-Selectin Expression. <i>Biochemical and Biophysical Research Communications</i> , 2000, 273, 565-570.	2.1	38
49	Comparison of platelet immunity in patients with SLE and with ITP. <i>Transfusion Science</i> , 2000, 22, 19-27.	0.6	37
50	Fc γ RI and Fc γ RIII on splenic macrophages mediate phagocytosis of anti-glycoprotein IIb/IIIa autoantibody-opsonized platelets in immune thrombocytopenia. <i>Haematologica</i> , 2020, 106, 250-254.	3.5	36
51	IgG antiplatelet immunity is dependent on an early innate natural killer cell-derived interferon- γ response that is regulated by CD8+ T cells. <i>Blood</i> , 2004, 103, 2705-2709.	1.4	35
52	A Review of Romiplostim Mechanism of Action and Clinical Applicability. <i>Drug Design, Development and Therapy</i> , 2021, Volume 15, 2243-2268.	4.3	35
53	The spleen dictates platelet destruction, anti-platelet antibody production, and lymphocyte distribution patterns in a murine model of immune thrombocytopenia. <i>Experimental Hematology</i> , 2016, 44, 924-930.e1.	0.4	34
54	Plasma-derived biological medicines used to promote haemostasis. <i>Thrombosis and Haemostasis</i> , 2008, 99, 851-862.	3.4	33

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55	Thrombopoietin receptor agonist (TPO-RA) treatment raises platelet counts and reduces anti-platelet antibody levels in mice with immune thrombocytopenia (ITP). <i>Platelets</i> , 2020, 31, 399-402.	2.3	31
56	The Cellular Immunology Associated with Autoimmune Thrombocytopenic Purpura: An Update. <i>Transfusion Science</i> , 1998, 19, 245-251.	0.6	30
57	Î³-Globulins prepared from sera of multiparous women bind anti-HLA antibodies and inhibit an established in vivo human alloimmune response. <i>Blood</i> , 2002, 100, 1055-1059.	1.4	28
58	Elevation of C-reactive protein levels in patients with transfusion-related acute lung injury. <i>Oncotarget</i> , 2016, 7, 78048-78054.	1.8	28
59	Allogeneic platelet transfusions prevent murine T-cell-mediated immune thrombocytopenia. <i>Blood</i> , 2014, 123, 422-427.	1.4	27
60	Low levels of interleukin-10 in patients with transfusion-related acute lung injury. <i>Annals of Translational Medicine</i> , 2017, 5, 339-339.	1.7	27
61	Abnormal cellular immune mechanisms associated with autoimmune thrombocytopenia. <i>Transfusion Medicine Reviews</i> , 1995, 9, 327-338.	2.0	26
62	T cell and cytokine abnormalities in patients with autoimmune thrombocytopenic purpura. <i>Transfusion and Apheresis Science</i> , 2003, 28, 237-242.	1.0	26
63	The nonhemostatic immune functions of platelets. <i>Seminars in Hematology</i> , 2016, 53, S2-S6.	3.4	26
64	Acid sphingomyelinase mediates murine acute lung injury following transfusion of aged platelets. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 312, L625-L637.	2.9	26
65	Transfusion-related Acute Lung Injury in the Perioperative Patient. <i>Anesthesiology</i> , 2019, 131, 693-715.	2.5	26
66	Infections, Antigen-Presenting Cells, T Cells, and Immune Tolerance: Their Role in the Pathogenesis of Immune Thrombocytopenia. <i>Hematology/Oncology Clinics of North America</i> , 2009, 23, 1177-1192.	2.2	25
67	Mechanisms and therapeutic prospects of thrombopoietin receptor agonists. <i>Seminars in Hematology</i> , 2019, 56, 262-278.	3.4	25
68	Influence of antigen processing on immune responsiveness. <i>Trends in Immunology</i> , 1988, 9, 216-218.	7.5	24
69	The Role of Complement in Transfusion-Related Acute Lung Injury. <i>Transfusion Medicine Reviews</i> , 2019, 33, 236-242.	2.0	23
70	Pathways of Processing of Insulin by Antigen-Presenting Cells. <i>Immunological Reviews</i> , 1988, 106, 195-222.	6.0	19
71	Animal models of immune thrombocytopenia (ITP). <i>Annals of Hematology</i> , 2010, 89, 37-44.	1.8	18
72	Platelet and red blood cell phagocytosis kinetics are differentially controlled by phosphatase activity within mononuclear cells. <i>Transfusion</i> , 2007, 47, 2161-2168.	1.6	17

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73	Single nucleotide polymorphism (SNP) analysis demonstrates a significant association of tumour necrosis factor-alpha (<i>TNFA</i>) with primary immune thrombocytopenia among Caucasian adults. <i>Hematology</i> , 2011, 16, 243-248.	1.5	17
74	Update on the pathophysiology of transfusion-related acute lung injury. <i>Current Opinion in Hematology</i> , 2020, 27, 386-391.	2.5	16
75	Cellular Immune Mechanisms in Chronic Autoimmune Thrombocytopenic Purpura (ATP). <i>Autoimmunity</i> , 1992, 13, 311-319.	2.6	15
76	Splenic lymphocyte subtypes in immune thrombocytopenia: increased presence of a subtype of Bâ€regulatory cells. <i>British Journal of Haematology</i> , 2016, 173, 159-160.	2.5	15
77	Treating murine inflammatory diseases with an anti-erythrocyte antibody. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	15
78	Recipient antigenâ€processing pathways of allogeneic platelet antigens: essential mediators ofâ€fimmunity. <i>Transfusion</i> , 2002, 42, 958-961.	1.6	14
79	Evaluation of Platelet Gel Characteristics Using Thrombin Produced by the Thrombin Processing Device: A Comparative Study. <i>Journal of Oral and Maxillofacial Surgery</i> , 2008, 66, 632-638.	1.2	14
80	Innate and Adaptive Immunity in Immune Thrombocytopenia. <i>Seminars in Hematology</i> , 2013, 50, S68-S70.	3.4	14
81	Platelets in ITP: Victims in Charge of Their Own Fate?. <i>Cells</i> , 2021, 10, 3235.	4.1	14
82	Immune responsiveness against allogeneic platelet transfusions is determined by the recipient's major histocompatibility complex class II phenotype. <i>Transfusion</i> , 2004, 44, 1572-1578.	1.6	13
83	Thymic-derived tolerizing dendritic cells are upregulated in the spleen upon treatment with intravenous immunoglobulin in a murine model of immune thrombocytopenia. <i>Platelets</i> , 2017, 28, 521-524.	2.3	13
84	Intravenous immunoglobulin treatment of spleen cells from patients with immune thrombocytopenia significantly increases the percentage of myeloidâ€derived suppressor cells. <i>British Journal of Haematology</i> , 2018, 181, 262-264.	2.5	13
85	Distinct phenotypes of platelet, monocyte, and neutrophil activation occur during the acute and convalescent phase of COVID-19. <i>Platelets</i> , 2021, 32, 1092-1102.	2.3	13
86	Management of Immune Thrombocytopenic Purpura in Children. <i>Paediatric Drugs</i> , 2011, 13, 213-223.	3.1	12
87	Evaluation of Platelet Responses in Transfusion-Related Acute Lung Injury (TRALI). <i>Transfusion Medicine Reviews</i> , 2020, 34, 227-233.	2.0	12
88	Epitope specificity and isotype of monoclonal anti-D antibodies dictate their ability to inhibit phagocytosis of opsonized platelets. <i>Blood</i> , 2007, 110, 1359-1361.	1.4	11
89	Platelet immunology from the inside out. <i>ISBT Science Series</i> , 2020, 15, 315-319.	1.1	11
90	A highly purified form of staphylococcal protein A alleviates murine immune thrombocytopenia (<sc>ITP</sc>). <i>British Journal of Haematology</i> , 2018, 183, 501-503.	2.5	10

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91	Biological and structural characterization of murine TRALI antibody reveals increased Fc-mediated complement activation. <i>Blood Advances</i> , 2020, 4, 3875-3885.	5.2	8
92	The contribution of recipient platelets in <sc>TRALI</sc>: has the jury reached a verdict?. <i>Transfusion</i> , 2020, 60, 886-888.	1.6	8
93	Pathogenic T-Cell Responses in Patients With Autoimmune Thrombocytopenic Purpura. <i>Journal of Pediatric Hematology/Oncology</i> , 2003, 25, S11-S13.	0.6	7
94	In HPA 1a-immunized women the decrease in anti-HPA 1a antibody level during pregnancy is not associated with anti-idiotypic antibodies. <i>Haematologica</i> , 2009, 94, 441-443.	3.5	7
95	Enhanced natural killer (NK) cell activity and NK-sensitive thymic cells in murine muscular dystrophy. <i>Cellular Immunology</i> , 1983, 82, 316-325.	3.0	6
96	IVIg induces dose-dependent amelioration of ITP in rodent models. <i>Blood</i> , 2003, 101, 1658-1659.	1.4	6
97	Bregging rights in ITP. <i>Blood</i> , 2012, 120, 3169-3169.	1.4	5
98	C-reactive protein boosts antibody-mediated platelet destruction. <i>Blood</i> , 2015, 125, 1690-1691.	1.4	5
99	Move over Tregs, MDSCs are here. <i>Blood</i> , 2016, 127, 1526-1528.	1.4	5
100	Altered processing of human insulin by B lymphocytes from an immunologically insulinresistant type I diabetic patient. <i>Journal of Autoimmunity</i> , 1991, 4, 277-289.	6.5	4
101	Mechanisms underlying autoimmunity in hematology. <i>Drug Discovery Today Disease Mechanisms</i> , 2006, 3, 231-235.	0.8	4
102	Rituximab disciplines T cells, spares platelets. <i>Blood</i> , 2007, 110, 2784-2785.	1.4	4
103	Platelets instruct T reg cells and macrophages in the resolution of lung inflammation. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	4
104	Quality of thrombin produced from the patient's own plasma using the TPD, a new Thrombin-processing Device. <i>Journal of Extra-Corporeal Technology</i> , 2005, 37, 196-200.	0.4	4
105	Platelet Functions Beyond Hemostasis. , 2016, , 221-237.		3
106	Transfusion-associated circulatory overload (<sc>TACO</sc>): Time to shed light on the pathophysiology. <i>ISBT Science Series</i> , 2019, 14, 136-139.	1.1	3
107	The EHA Research Roadmap: Platelet Disorders. <i>HemaSphere</i> , 2021, 5, e601.	2.7	3
108	A novel immunosuppressive pathway involving peroxynitrate-mediated nitration of platelet antigens within antigen-presenting cells. <i>Transfusion</i> , 2008, 48, 1917-1924.	1.6	2

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109	The Ultimate Murine Model of Immune Thrombocytopaenia. <i>Thrombosis and Haemostasis</i> , 2019, 119, 353-354.	3.4	2
110	Megakaryocytes listen for their progeny's progeny during inflammation. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 604-606.	3.8	2
111	Immune Functions of Platelets. , 2018, , 241-259.		1
112	Pancreatic involvement in murine antibody-mediated transfusion-related acute lung injury?. <i>Transfusion</i> , 2021, 61, 987-989.	1.6	1
113	Decitabine revives Treg function in ITP. <i>Blood</i> , 2021, 138, 591-592.	1.4	1
114	Mechanisms of platelet autoimmunity: The role of macrophages. <i>Clinical Immunology Newsletter</i> , 1996, 16, 85-94.	0.1	0
115	About the mechanism of action of WinRho γ 1/2SDF. <i>Transfusion</i> , 2007, 47, 351-351.	1.6	0
116	Platelet GPIb-IX Has Suppressive Effects on Septic Inflammation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 962-963.	2.4	0
117	Platelets inhibit erythrocyte invasion by <i>Plasmodium falciparum</i> at physiological platelet:erythrocyte ratios. <i>Transfusion Medicine</i> , 2021, , .	1.1	0