

# John Semple

## List of Publications by Year in descending order

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Version: 2024-02-01

111  
papers

6,862  
citations

100601

38  
h-index

71088

80  
g-index

113  
all docs

113  
docs citations

113  
times ranked

7930  
citing authors

#	ARTICLE	IF	CITATIONS
1	Platelets and the immune continuum. <i>Nature Reviews Immunology</i> , 2011, 11, 264-274.	10.6	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.	0.6	513
3	Platelet Toll-like receptor expression modulates lipopolysaccharide-induced thrombocytopenia and tumor necrosis factor- $\alpha$ production in vivo. <i>Blood</i> , 2006, 107, 637-641.	0.6	431
4	Thrombocytopenia following Pfizer and Moderna $\alpha$ SARS-CoV-2 vaccination. <i>American Journal of Hematology</i> , 2021, 96, 534-537.	2.0	331
5	Pathogenesis and Therapeutic Mechanisms in Immune Thrombocytopenia (ITP). <i>Journal of Clinical Medicine</i> , 2017, 6, 16.	1.0	318
6	Platelets and innate immunity. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 499-511.	2.4	277
7	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.	0.6	176
8	Transfusion-associated circulatory overload and transfusion-related acute lung injury. <i>Blood</i> , 2019, 133, 1840-1853.	0.6	174
9	Nouvelle Cuisine: Platelets Served with Inflammation. <i>Journal of Immunology</i> , 2015, 194, 5579-5587.	0.4	170
10	Cellular immune dysfunction in immune thrombocytopenia (ITP). <i>British Journal of Haematology</i> , 2013, 163, 10-23.	1.2	155
11	Platelet-bound lipopolysaccharide enhances Fc receptor-mediated phagocytosis of IgG-opsonized platelets. <i>Blood</i> , 2007, 109, 4803-4805.	0.6	122
12	The Immune Nature of Platelets Revisited. <i>Transfusion Medicine Reviews</i> , 2020, 34, 209-220.	0.9	104
13	Pathogenesis of immune thrombocytopenia. <i>Presse Medicale</i> , 2014, 43, e49-e59.	0.8	101
14	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.	1.2	95
15	T regulatory cells and dendritic cells protect against transfusion-related acute lung injury via IL-10. <i>Blood</i> , 2017, 129, 2557-2569.	0.6	93
16	Cellular immune mechanisms in autoimmune thrombocytopenic purpura: An update. <i>Transfusion Medicine Reviews</i> , 2003, 17, 69-80.	0.9	91
17	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.	2.5	90
18	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.	0.6	86

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19	Differences in serum cytokine levels in acute and chronic autoimmune thrombocytopenic purpura: relationship to platelet phenotype and antiplatelet T-cell reactivity. <i>Blood</i> , 1996, 87, 4245-54.	0.6	86
20	An update on the pathophysiology of immune thrombocytopenia. <i>Current Opinion in Hematology</i> , 2020, 27, 423-429.	1.2	79
21	Recent progress in understanding the pathogenesis of immune thrombocytopenia. <i>Current Opinion in Hematology</i> , 2010, 17, 590-595.	1.2	72
22	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.	0.7	70
23	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.	1.2	67
24	The immunopathogenesis of immune thrombocytopenia. <i>Current Opinion in Hematology</i> , 2012, 19, 357-362.	1.2	67
25	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.	0.8	65
26	Autoimmune Pathogenesis and Autoimmune Hemolytic Anemia. <i>Seminars in Hematology</i> , 2005, 42, 122-130.	1.8	57
27	Peripheral blood monocyte-derived chemokine blockade prevents murine transfusion-related acute lung injury (TRALI). <i>Blood</i> , 2014, 123, 3496-3503.	0.6	57
28	CD20+ B-cell depletion therapy suppresses murine CD8+ T-cell-mediated immune thrombocytopenia. <i>Blood</i> , 2016, 127, 735-738.	0.6	55
29	C-reactive protein enhances murine antibody-mediated transfusion-related acute lung injury. <i>Blood</i> , 2015, 126, 2747-2751.	0.6	54
30	Platelets as immune-sensing cells. <i>Blood Advances</i> , 2016, 1, 10-14.	2.5	53
31	Flow cytometric evaluation of platelet activation in blood collected into EDTA vs. Diatube-H, a sodium citrate solution supplemented with theophylline, adenosine, and dipyridamole. <i>American Journal of Hematology</i> , 1995, 50, 40-45.	2.0	52
32	Recipient T lymphocytes modulate the severity of antibody-mediated transfusion-related acute lung injury. <i>Blood</i> , 2010, 116, 3073-3079.	0.6	50
33	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.	1.1	50
34	Increased antiplatelet T helper lymphocyte reactivity in patients with autoimmune thrombocytopenia. <i>Blood</i> , 1991, 78, 2619-25.	0.6	50
35	Targeting Transfusion-Related Acute Lung Injury: The Journey From Basic Science to Novel Therapies. <i>Critical Care Medicine</i> , 2018, 46, e452-e458.	0.4	49
36	Rapid separation of CD4+ and CD19+ lymphocyte populations from human peripheral blood by a magnetic activated cell sorter (MACS). <i>Cytometry</i> , 1993, 14, 955-960.	1.8	48

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37	Suppressed natural killer cell activity in patients with chronic autoimmune thrombocytopenic purpura. <i>American Journal of Hematology</i> , 1991, 37, 258-262.	2.0	47
38	Recent advances in the mechanisms and treatment of immune thrombocytopenia. <i>EBioMedicine</i> , 2022, 76, 103820.	2.7	46
39	Gastrointestinal microbiota contributes to the development of murine transfusion-related acute lung injury. <i>Blood Advances</i> , 2018, 2, 1651-1663.	2.5	44
40	Platelet EVs contain an active proteasome involved in protein processing for antigen presentation via MHC-I molecules. <i>Blood</i> , 2021, 138, 2607-2620.	0.6	44
41	Platelet extracellular vesicles mediate transfusion-related acute lung injury by imbalancing the sphingolipid rheostat. <i>Blood</i> , 2021, 137, 690-701.	0.6	43
42	Osteopontin mediates murine transfusion-related acute lung injury via stimulation of pulmonary neutrophil accumulation. <i>Blood</i> , 2019, 134, 74-84.	0.6	42
43	Fc $\gamma$ RI and Fc $\gamma$ RIII on splenic macrophages mediate phagocytosis of anti-glycoprotein IIb/IIIa autoantibody-opsonized platelets in immune thrombocytopenia. <i>Haematologica</i> , 2020, 106, 250-254.	1.7	36
44	A Review of Romiplostim Mechanism of Action and Clinical Applicability. <i>Drug Design, Development and Therapy</i> , 2021, Volume 15, 2243-2268.	2.0	35
45	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.	0.2	34
46	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.	1.1	31
47	Platelet-Surface Glycoproteins in Healthy and Preeclamptic Mothers and Their Newborn Infants. <i>Pediatric Research</i> , 1996, 40, 876-880.	1.1	31
48	A comprehensive study of ovine haemostasis to assess suitability to model human coagulation. <i>Thrombosis Research</i> , 2014, 134, 468-473.	0.8	30
49	Elevation of C-reactive protein levels in patients with transfusion-related acute lung injury. <i>Oncotarget</i> , 2016, 7, 78048-78054.	0.8	28
50	Allogeneic platelet transfusions prevent murine T-cell-mediated immune thrombocytopenia. <i>Blood</i> , 2014, 123, 422-427.	0.6	27
51	Low levels of interleukin-10 in patients with transfusion-related acute lung injury. <i>Annals of Translational Medicine</i> , 2017, 5, 339-339.	0.7	27
52	Abnormal cellular immune mechanisms associated with autoimmune thrombocytopenia. <i>Transfusion Medicine Reviews</i> , 1995, 9, 327-338.	0.9	26
53	The nonhemostatic immune functions of platelets. <i>Seminars in Hematology</i> , 2016, 53, S2-S6.	1.8	26
54	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.	1.3	26

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55	Transfusion-related Acute Lung Injury in the Perioperative Patient. <i>Anesthesiology</i> , 2019, 131, 693-715.	1.3	26
56	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.	0.9	25
57	Mechanisms and therapeutic prospects of thrombopoietin receptor agonists. <i>Seminars in Hematology</i> , 2019, 56, 262-278.	1.8	25
58	Microparticles as biomarkers of lung disease: enumeration in biological fluids using lipid bilayer microspheres. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 310, L802-L814.	1.3	23
59	The Role of Complement in Transfusion-Related Acute Lung Injury. <i>Transfusion Medicine Reviews</i> , 2019, 33, 236-242.	0.9	23
60	Immunobiology of T helper cells and antigen-presenting cells in autoimmune thrombocytopenic purpura (ITP). <i>Acta Paediatrica, International Journal of Paediatrics</i> , 1998, 87, 41-45.	0.7	20
61	Pathways of Processing of Insulin by Antigen-Presenting Cells. <i>Immunological Reviews</i> , 1988, 106, 195-222.	2.8	19
62	Animal models of immune thrombocytopenia (ITP). <i>Annals of Hematology</i> , 2010, 89, 37-44.	0.8	18
63	Processing and presentation of insulin. II. Evidence for intracellular, plasma membrane-associated and extracellular degradation of human insulin by antigen-presenting B cells. <i>Journal of Immunology</i> , 1989, 142, 4184-93.	0.4	18
64	Update on the pathophysiology of transfusion-related acute lung injury. <i>Current Opinion in Hematology</i> , 2020, 27, 386-391.	1.2	16
65	Cellular Immune Mechanisms in Chronic Autoimmune Thrombocytopenic Purpura (ATP). <i>Autoimmunity</i> , 1992, 13, 311-319.	1.2	15
66	Splenic lymphocyte subtypes in immune thrombocytopenia: increased presence of a subtype of B <sup>220</sup> regulatory cells. <i>British Journal of Haematology</i> , 2016, 173, 159-160.	1.2	15
67	Treating murine inflammatory diseases with an anti-erythrocyte antibody. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	15
68	Innate and Adaptive Immunity in Immune Thrombocytopenia. <i>Seminars in Hematology</i> , 2013, 50, S68-S70.	1.8	14
69	Platelets in ITP: Victims in Charge of Their Own Fate?. <i>Cells</i> , 2021, 10, 3235.	1.8	14
70	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.	1.1	13
71	Intravenous immunoglobulin treatment of spleen cells from patients with immune thrombocytopenia significantly increases the percentage of myeloid-derived suppressor cells. <i>British Journal of Haematology</i> , 2018, 181, 262-264.	1.2	13
72	Antiplatelet antibody-induced thrombocytopenia does not correlate with megakaryocyte abnormalities in murine immune thrombocytopenia. <i>Scandinavian Journal of Immunology</i> , 2018, 88, e12678.	1.3	13

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73	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.	1.1	13
74	Evaluation of Platelet Responses in Transfusion-Related Acute Lung Injury (TRALI). <i>Transfusion Medicine Reviews</i> , 2020, 34, 227-233.	0.9	12
75	Platelet immunology from the inside out. <i>ISBT Science Series</i> , 2020, 15, 315-319.	1.1	11
76	Extreme leukoreduction of major histocompatibility complex class II positive B cells enhances allogeneic platelet immunity. <i>Blood</i> , 1999, 93, 713-20.	0.6	11
77	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.	1.2	10
78	Biological and structural characterization of murine TRALI antibody reveals increased Fc-mediated complement activation. <i>Blood Advances</i> , 2020, 4, 3875-3885.	2.5	8
79	The contribution of recipient platelets in <sc>TRALI</sc>: has the jury reached a verdict?. <i>Transfusion</i> , 2020, 60, 886-888.	0.8	8
80	Dissecting platelet proteomics to understand the pathophysiology of immune thrombocytopenia: studies in mouse models. <i>Blood Advances</i> , 2022, 6, 3529-3534.	2.5	7
81	IVIG induces dose-dependent amelioration of ITP in rodent models. <i>Blood</i> , 2003, 101, 1658-1659.	0.6	6
82	Leukoreduction Just Doesn't "Take Away" Immunogenic Leukocytes, It Creates an Immunosuppressive Leukocyte Dose.. <i>Vox Sanguinis</i> , 2002, 83, 425-428.	0.7	5
83	Bregging rights in ITP. <i>Blood</i> , 2012, 120, 3169-3169.	0.6	5
84	Move over Tregs, MDSCs are here. <i>Blood</i> , 2016, 127, 1526-1528.	0.6	5
85	Platelets instruct T reg cells and macrophages in the resolution of lung inflammation. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	4
86	ITP has elevated BAFF expression. <i>Blood</i> , 2009, 114, 5248-5249.	0.6	3
87	Platelets have a role as immune cells. <i>ISBT Science Series</i> , 2012, 7, 269-273.	1.1	3
88	Platelet Functions Beyond Hemostasis. , 2016, , 221-237.		3
89	Platelet immunobiology: platelets as prey and predator. <i>ISBT Science Series</i> , 2018, 13, 87-92.	1.1	3
90	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

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91	Sequence-specific 2'-O-methoxyethyl antisense oligonucleotides activate human platelets through glycoprotein VI, triggering formation of platelet-leukocyte aggregates. <i>Haematologica</i> , 2022, 107, 519-531.	1.7	3
92	The EHA Research Roadmap: Platelet Disorders. <i>HemaSphere</i> , 2021, 5, e601.	1.2	3
93	Enrichment of Complement, Immunoglobulins, and Autoantibody Targets in the Proteome of Platelets from Patients with Systemic Lupus Erythematosus. <i>Thrombosis and Haemostasis</i> , 2022, 122, 1486-1501.	1.8	3
94	A novel immunosuppressive pathway involving peroxynitrate-mediated nitration of platelet antigens within antigen-presenting cells. <i>Transfusion</i> , 2008, 48, 1917-1924.	0.8	2
95	The Ultimate Murine Model of Immune Thrombocytopaenia. <i>Thrombosis and Haemostasis</i> , 2019, 119, 353-354.	1.8	2
96	A New Murine Model of Immune Thrombocytopenia: Evidence of Both Antibody- and CD8+ T Cell-Mediated Platelet Destruction.. <i>Blood</i> , 2007, 110, 99-99.	0.6	2
97	Alleviation of gram-negative bacterial lung inflammation by targeting HECTD2. <i>Annals of Translational Medicine</i> , 2016, 4, 488-488.	0.7	2
98	Megakaryocytes listen for their progeny's progeny during inflammation. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 604-606.	1.9	2
99	Intravenous immunoglobulin products: an update on their mechanisms of action. <i>ISBT Science Series</i> , 2008, 3, 152-158.	1.1	1
100	The immune system as seen through the eyes of a platelet. <i>ISBT Science Series</i> , 2014, 9, 198-203.	1.1	1
101	Moving target PF4 directs HIT responses. <i>Blood</i> , 2018, 132, 678-679.	0.6	1
102	Pancreatic involvement in murine antibody-mediated transfusion-related acute lung injury?. <i>Transfusion</i> , 2021, 61, 987-989.	0.8	1
103	Decitabine revives Treg function in ITP. <i>Blood</i> , 2021, 138, 591-592.	0.6	1
104	Splenic Mechanisms of Thrombocytopenia. <i>Blood</i> , 2017, 130, SCI-33-SCI-33.	0.6	1
105	The cellular pathophysiology of immune thrombocytopenia. <i>ISBT Science Series</i> , 2013, 8, 210-213.	1.1	0
106	New Emerging Developments of Platelets in Transfusion Medicine. <i>Transfusion Medicine Reviews</i> , 2020, 34, 207-208.	0.9	0
107	Platelets inhibit erythrocyte invasion by <i>Plasmodium falciparum</i> at physiological platelet:erythrocyte ratios. <i>Transfusion Medicine</i> , 2021, , .	0.5	0
108	Ceramide Containing Microparticles from Aged Stored Platelets Recapitulate Aspects of Murine Transfusion Related Acute Lung Injury. <i>FASEB Journal</i> , 2018, 32, 746.2.	0.2	0

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109	Fc $\gamma$ 3 Receptors I and III on Splenic Macrophages Mediate GPIIb/IIIa Autoantibody-Dependent Phagocytosis of Platelets in Human Immune Thrombocytopenia. <i>Blood</i> , 2018, 132, 129-129.	0.6	0
110	Osteopontin Mediates Murine Transfusion-Related Acute Lung Injury through Stimulation of Pulmonary Neutrophil Accumulation. <i>Blood</i> , 2018, 132, 739-739.	0.6	0
111	Extracellular Vesicle Sphingolipids from Stored Platelets Mediate Transfusion Related Acute Lung Injury. <i>FASEB Journal</i> , 2019, 33, 845.2.	0.2	0