

Robert A Campbell

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

4,603
citations

196777

29
h-index

139680

61
g-index

64
all docs

64
docs citations

64
times ranked

7806
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutrophil extracellular traps contribute to immunothrombosis in COVID-19 acute respiratory distress syndrome. <i>Blood</i> , 2020, 136, 1169-1179.	0.6	1,071
2	Platelet gene expression and function in patients with COVID-19. <i>Blood</i> , 2020, 136, 1317-1329.	0.6	741
3	Thrombin generation, fibrin clot formation and hemostasis. <i>Transfusion and Apheresis Science</i> , 2008, 38, 15-23.	0.5	270
4	Novel Anti-bacterial Activities of β -defensin 1 in Human Platelets: Suppression of Pathogen Growth and Signaling of Neutrophil Extracellular Trap Formation. <i>PLoS Pathogens</i> , 2011, 7, e1002355.	2.1	223
5	TNF- α -driven inflammation and mitochondrial dysfunction define the platelet hyperreactivity of aging. <i>Blood</i> , 2019, 134, 727-740.	0.6	199
6	Contributions of extravascular and intravascular cells to fibrin network formation, structure, and stability. <i>Blood</i> , 2009, 114, 4886-4896.	0.6	133
7	Human megakaryocytes possess intrinsic antiviral immunity through regulated induction of IFITM3. <i>Blood</i> , 2019, 133, 2013-2026.	0.6	127
8	Neonatal NET-inhibitory factor and related peptides inhibit neutrophil extracellular trap formation. <i>Journal of Clinical Investigation</i> , 2016, 126, 3783-3798.	3.9	111
9	Sepsis alters the transcriptional and translational landscape of human and murine platelets. <i>Blood</i> , 2019, 134, 911-923.	0.6	111
10	Neutrophil extracellular traps regulate ischemic stroke brain injury. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	102
11	COVID-19 and Sepsis Are Associated With Different Abnormalities in Plasma Procoagulant and Fibrinolytic Activity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 401-414.	1.1	82
12	Cytokine release syndrome in COVID-19: Innate immune, vascular, and platelet pathogenic factors differ in severity of disease and sex. <i>Journal of Leukocyte Biology</i> , 2021, 109, 55-66.	1.5	82
13	Dicer1-mediated miRNA processing shapes the mRNA profile and function of murine platelets. <i>Blood</i> , 2016, 127, 1743-1751.	0.6	79
14	Advanced age results in a diminished endothelial glycocalyx. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H531-H539.	1.5	79
15	Is there a role for the ACE2 receptor in SARS-CoV-2 interactions with platelets?. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 46-50.	1.9	75
16	Granzyme A in Human Platelets Regulates the Synthesis of Proinflammatory Cytokines by Monocytes in Aging. <i>Journal of Immunology</i> , 2018, 200, 295-304.	0.4	71
17	Cellular Procoagulant Activity Dictates Clot Structure and Stability as a Function of Distance From the Cell Surface. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 2247-2254.	1.1	70
18	Platelet necrosis mediates ischemic stroke outcome in mice. <i>Blood</i> , 2020, 135, 429-440.	0.6	61

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19	Deletion of GLUT1 and GLUT3 Reveals Multiple Roles for Glucose Metabolism in Platelet and Megakaryocyte Function. <i>Cell Reports</i> , 2017, 20, 881-894.	2.9	57
20	COVID-19 generates hyaluronan fragments that directly induce endothelial barrier dysfunction. <i>JCI Insight</i> , 2021, 6, .	2.3	57
21	COVID-19 patients exhibit reduced procoagulant platelet responses. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 3067-3073.	1.9	55
22	Role of Platelets in Detection and Regulation of Infection. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 70-78.	1.1	52
23	Platelet MHC class I mediates CD8+ T-cell suppression during sepsis. <i>Blood</i> , 2021, 138, 401-416.	0.6	46
24	Comparison of the coagulopathies associated with COVID-19 and sepsis. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2021, 5, e12525.	1.0	41
25	Longitudinal RNA-Seq Analysis of the Repeatability of Gene Expression and Splicing in Human Platelets Identifies a Platelet <i>SELP</i> Splice QTL. <i>Circulation Research</i> , 2020, 126, 501-516.	2.0	39
26	Synthesis and dephosphorylation of MARCKS in the late stages of megakaryocyte maturation drive proplatelet formation. <i>Blood</i> , 2016, 127, 1468-1480.	0.6	34
27	Deletion of the Arp2/3 complex in megakaryocytes leads to microthrombocytopenia in mice. <i>Blood Advances</i> , 2017, 1, 1398-1408.	2.5	33
28	Glucose Metabolism Is Required for Platelet Hyperactivation in a Murine Model of Type 1 Diabetes. <i>Diabetes</i> , 2019, 68, 932-938.	0.3	33
29	Altered functions of platelets during aging. <i>Current Opinion in Hematology</i> , 2019, 26, 336-342.	1.2	33
30	Rehydrated, Lyophilized Platelets Generate Thrombin in the Presence of Recombinant Factor VIIa.. <i>Blood</i> , 2005, 106, 4057-4057.	0.6	32
31	Mechanisms of immunothrombosis in COVID-19. <i>Current Opinion in Hematology</i> , 2021, 28, 445-453.	1.2	30
32	Endogenous LINE-1 (Long Interspersed Nuclear Element-1) Reverse Transcriptase Activity in Platelets Controls Translational Events Through RNA-DNA Hybrids. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 801-815.	1.1	29
33	Methicillin-resistant <i>Staphylococcus aureus</i> -induced thrombo-inflammatory response is reduced with timely antibiotic administration. <i>Thrombosis and Haemostasis</i> , 2013, 109, 684-695.	1.8	28
34	Brothers in arms: platelets and neutrophils in ischemic stroke. <i>Current Opinion in Hematology</i> , 2021, 28, 301-307.	1.2	28
35	miR-125a-5p regulates megakaryocyte proplatelet formation via the actin-bundling protein L-plastin. <i>Blood</i> , 2020, 136, 1760-1772.	0.6	26
36	Glucose Transporter 3 Potentiates Degranulation and Is Required for Platelet Activation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 1628-1639.	1.1	25

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37	Fc γ RIIA expression accelerates nephritis and increases platelet activation in systemic lupus erythematosus. <i>Blood</i> , 2020, 136, 2933-2945.	0.6	25
38	Anti-apoptotic <i>BCL2L2</i> increases megakaryocyte proplatelet formation in cultures of human cord blood. <i>Haematologica</i> , 2019, 104, 2075-2083.	1.7	23
39	Mucosal-associated invariant T (MAIT) cells mediate protective host responses in sepsis. <i>ELife</i> , 2020, 9, .	2.8	22
40	Clots Are Potent Triggers of Inflammatory Cell Gene Expression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 1819-1827.	1.1	21
41	Hyperglycemia exacerbates ischemic stroke outcome independent of platelet glucose uptake. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 536-546.	1.9	19
42	Integrin α 2 β 2 (CD11d/CD18) mediates experimental malaria-associated acute respiratory distress syndrome (MA-ARDS). <i>Malaria Journal</i> , 2016, 15, 393.	0.8	18
43	Placental HTRA1 cleaves α 1-antitrypsin to generate a NET-inhibitory peptide. <i>Blood</i> , 2021, 138, 977-988.	0.6	16
44	FGF21 (Fibroblast Growth Factor 21) Defines a Potential Cardiohepatic Signaling Circuit in End-Stage Heart Failure. <i>Circulation: Heart Failure</i> , 2022, 15, CIRCHEARTFAILURE121008910.	1.6	16
45	Heparanase expression and activity are increased in platelets during clinical sepsis. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 1319-1330.	1.9	15
46	TNF- α Driven Inflammation and Mitochondrial Dysfunction Characterize the Platelet Hyperreactivity of Aging and Myeloproliferative Neoplasms (MPN). <i>Blood</i> , 2018, 132, 1134-1134.	0.6	10
47	Different glycoforms of alpha-1-acid glycoprotein contribute to its functional alterations in platelets and neutrophils. <i>Journal of Leukocyte Biology</i> , 2021, 109, 915-930.	1.5	8
48	A novel approach to improving recombinant factor VIIa activity with a preserved platelet preparation. <i>British Journal of Haematology</i> , 2007, 138, 82-93.	1.2	7
49	Human platelets display dysregulated sepsis-associated autophagy, induced by altered LC3 protein-protein interaction of the Vici-protein EPG5. <i>Autophagy</i> , 2022, 18, 1534-1550.	4.3	7
50	RGD-functionalized gold nanorods bind only to activated platelets. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 209-217.	2.1	6
51	Neutrophil cathepsin G proteolysis of protease-activated receptor 4 generates a novel, functional tethered ligand. <i>Blood Advances</i> , 2022, 6, 2303-2308.	2.5	5
52	Integrin α 2 β 2 influences cerebral edema, leukocyte accumulation and neurologic outcomes in experimental severe malaria. <i>PLoS ONE</i> , 2019, 14, e0224610.	1.1	4
53	The reduced form of coagulation factor XI is associated with illness severity and coagulopathy in critically-ill septic patients. <i>Journal of Thrombosis and Thrombolysis</i> , 2019, 47, 186-191.	1.0	4
54	Shining a light on platelet activation in COVID-19. <i>Journal of Thrombosis and Haemostasis</i> , 2022, , .	1.9	3

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55	Management of coagulation disorders in severe inflammation. <i>HemaSphere</i> , 2019, 3, 95-98.	1.2	2
56	Haem oxygenase protects against thrombocytopenia and malaria-associated lung injury. <i>Malaria Journal</i> , 2020, 19, 234.	0.8	2
57	Platelet electrical resistance for measuring platelet activation and adhesion in human health and disease. <i>Thrombosis Research</i> , 2021, 198, 204-209.	0.8	1
58	Impact of the COVID-19 pandemic on education and clinical training. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 2099-2100.	1.9	1
59	Megakaryocyte-specific knockout of the Mir-99b/let7e/125a cluster lowers platelet count without altering platelet function. <i>Blood Cells, Molecules, and Diseases</i> , 2021, 92, 102624.	0.6	1
60	Cathepsin G Cleavage of PAR4 Generates a Novel Tethered Ligand That Induces Platelet Activation. <i>Blood</i> , 2020, 136, 2-2.	0.6	1
61	Blockade of Human PAR4 in Novel Humanized Mouse Strains Supports PAR4 As a Potential Target in Stroke: Ex Vivo Demonstration of Platelet Hyperreactivity of the Thr120 Variant. <i>Blood</i> , 2020, 136, 12-12.	0.6	1
62	Interleukin 6 receptor alpha expression in PMNs isolated from prematurely born neonates: decreased expression is associated with differential mTOR signaling. <i>Pediatric Research</i> , 2019, 86, 55-62.	1.1	0
63	The mTOR Pathway in Platelets Contributes to the Pathophysiology of Experimental Cerebral Malaria. <i>Blood</i> , 2021, 138, 580-580.	0.6	0