Robert A Campbell

List of Publications by Year
in descending order

63 papers	4,603 citations	172457 29 h-index	123424 61 g-index
64 all docs	64 docs citations	64 times ranked	7323 citing authors

#	Article	IF	Citations
1	Neutrophil extracellular traps contribute to immunothrombosis in COVID-19 acute respiratory distress syndrome. Blood, 2020, 136, 1169-1179.	1.4	1,071
2	Platelet gene expression and function in patients with COVID-19. Blood, 2020, 136, 1317-1329.	1.4	741
3	Thrombin generation, fibrin clot formation and hemostasis. Transfusion and Apheresis Science, 2008, 38, 15-23.	1.0	270
4	Novel Anti-bacterial Activities of Î²-defensin 1 in Human Platelets: Suppression of Pathogen Growth and Signaling of Neutrophil Extracellular Trap Formation. PLoS Pathogens, 2011, 7, e1002355.	4.7	223
5	TNF-Î±â€“driven inflammation and mitochondrial dysfunction define the platelet hyperreactivity of aging. Blood, 2019, 134, 727-740.	1.4	199
6	Contributions of extravascular and intravascular cells to fibrin network formation, structure, and stability. Blood, 2009, 114, 4886-4896.	1.4	133
7	Human megakaryocytes possess intrinsic antiviral immunity through regulated induction of IFITM3. Blood, 2019, 133, 2013-2026.	1.4	127
8	Neonatal NET-inhibitory factor and related peptides inhibit neutrophil extracellular trap formation. Journal of Clinical Investigation, 2016, 126, 3783-3798.	8.2	111
9	Sepsis alters the transcriptional and translational landscape of human and murine platelets. Blood, 2019, 134, 911-923.	1.4	111
10	Neutrophil extracellular traps regulate ischemic stroke brain injury. Journal of Clinical Investigation, 2022, 132, .	8.2	102
11	COVID-19 and Sepsis Are Associated With Different Abnormalities in Plasma Procoagulant and Fibrinolytic Activity. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 401-414.	2.4	82
12	Cytokine release syndrome in COVID-19: Innate immune, vascular, and platelet pathogenic factors differ in severity of disease and sex. Journal of Leukocyte Biology, 2021, 109, 55-66.	3.3	82
13	Dicer1-mediated miRNA processing shapes the mRNA profile and function of murine platelets. Blood, 2016, 127, 1743-1751.	1.4	79
14	Advanced age results in a diminished endothelial glycocalyx. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H531-H539.	3.2	79
15	Is there a role for the ACE2 receptor in SARSâ€CoVâ€2 interactions with platelets?. Journal of Thrombosis and Haemostasis, 2021, 19, 46-50.	3.8	75
16	Granzyme A in Human Platelets Regulates the Synthesis of Proinflammatory Cytokines by Monocytes in Aging. Journal of Immunology, 2018, 200, 295-304.	0.8	71
17	Cellular Procoagulant Activity Dictates Clot Structure and Stability as a Function of Distance From the Cell Surface. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 2247-2254.	2.4	70
18	Platelet necrosis mediates ischemic stroke outcome in mice. Blood, 2020, 135, 429-440.	1.4	61

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19	Deletion of GLUT1 and GLUT3 Reveals Multiple Roles for Glucose Metabolism in Platelet and Megakaryocyte Function. Cell Reports, 2017, 20, 881-894.	6.4	57
20	COVID-19 generates hyaluronan fragments that directly induce endothelial barrier dysfunction. JCI Insight, 2021, 6, .	5.0	57
21	COVIDâ€19 patients exhibit reduced procoagulant platelet responses. Journal of Thrombosis and Haemostasis, 2020, 18, 3067-3073.	3.8	55
22	Role of Platelets in Detection and Regulation of Infection. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 70-78.	2.4	52
23	Platelet MHC class I mediates CD8+ T-cell suppression during sepsis. Blood, 2021, 138, 401-416.	1.4	46
24	Comparison of the coagulopathies associated with COVIDâ€19 and sepsis. Research and Practice in Thrombosis and Haemostasis, 2021, 5, e12525.	2.3	41
25	Longitudinal RNA-Seq Analysis of the Repeatability of Gene Expression and Splicing in Human Platelets Identifies a PlateletSELPSplice QTL. Circulation Research, 2020, 126, 501-516.	4.5	39
26	Synthesis and dephosphorylation of MARCKS in the late stages of megakaryocyte maturation drive proplatelet formation. Blood, 2016, 127, 1468-1480.	1.4	34
27	Deletion of the Arp2/3 complex in megakaryocytes leads to microthrombocytopenia in mice. Blood Advances, 2017, 1, 1398-1408.	5.2	33
28	Glucose Metabolism Is Required for Platelet Hyperactivation in a Murine Model of Type 1 Diabetes. Diabetes, 2019, 68, 932-938.	0.6	33
29	Altered functions of platelets during aging. Current Opinion in Hematology, 2019, 26, 336-342.	2.5	33
30	Rehydrated, Lyophilized Platelets Generate Thrombin in the Presence of Recombinant Factor VIIa.. Blood, 2005, 106, 4057-4057.	1.4	32
31	Mechanisms of immunothrombosis in COVID-19. Current Opinion in Hematology, 2021, 28, 445-453.	2.5	30
32	Endogenous LINE-1 (Long Interspersed Nuclear Element-1) Reverse Transcriptase Activity in Platelets Controls Translational Events Through RNAâ€“DNA Hybrids. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 801-815.	2.4	29
33	Methicillin-resistant Staphylococcus aureus-induced thrombo-inflammatory response is reduced with timely antibiotic administration. Thrombosis and Haemostasis, 2013, 109, 684-695.	3.4	28
34	Brothers in arms: platelets and neutrophils in ischemic stroke. Current Opinion in Hematology, 2021, 28, 301-307.	2.5	28
35	miR-125a-5p regulates megakaryocyte proplatelet formation via the actin-bundling protein L-plastin. Blood, 2020, 136, 1760-1772.	1.4	26
36	Glucose Transporter 3 Potentiates Degranulation and Is Required for Platelet Activation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 1628-1639.	2.4	25

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37	FcÎ³RIIA expression accelerates nephritis and increases platelet activation in systemic lupus erythematosus. Blood, 2020, 136, 2933-2945.	1.4	25
38	Anti-apoptotic BCL2L2 increases megakaryocyte proplatelet formation in cultures of human cord blood. Haematologica, 2019, 104, 2075-2083.	3.5	23
39	Mucosal-associated invariant T (MAIT) cells mediate protective host responses in sepsis. ELife, 2020, 9, .	6.0	22
40	Clots Are Potent Triggers of Inflammatory Cell Gene Expression. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 1819-1827.	2.4	21
41	Hyperglycemia exacerbates ischemic stroke outcome independent of platelet glucose uptake. Journal of Thrombosis and Haemostasis, 2021, 19, 536-546.	3.8	19
42	Integrin Î±DÎ²2 (CD11d/CD18) mediates experimental malaria-associated acute respiratory distress syndrome (MA-ARDS). Malaria Journal, 2016, 15, 393.	2.3	18
43	Placental HTRA1 cleaves Î±1-antitrypsin to generate a NET-inhibitory peptide. Blood, 2021, 138, 977-988.	1.4	16
44	FGF21 (Fibroblast Growth Factor 21) Defines a Potential Cardiohepatic Signaling Circuit in End-Stage Heart Failure. Circulation: Heart Failure, 2022, 15, CIRCHEARTFAILURE121008910.	3.9	16
45	Heparanase expression and activity are increased in platelets during clinical sepsis. Journal of Thrombosis and Haemostasis, 2021, 19, 1319-1330.	3.8	15
46	TNF-Î± Driven Inflammation and Mitochondrial Dysfunction Characterize the Platelet Hyperreactivity of Aging and Myeloproliferative Neoplasms (MPN). Blood, 2018, 132, 1134-1134.	1.4	10
47	Different glycoforms of alpha-1-acid glycoprotein contribute to its functional alterations in platelets and neutrophils. Journal of Leukocyte Biology, 2021, 109, 915-930.	3.3	8
48	A novel approach to improving recombinant factor VIIa activity with a preserved platelet preparation. British Journal of Haematology, 2007, 138, 82-93.	2.5	7
49	Human platelets display dysregulated sepsis-associated autophagy, induced by altered LC3 protein-protein interaction of the Vici-protein EPG5. Autophagy, 2022, 18, 1534-1550.	9.1	7
50	RGDfKâ€functionalized gold nanorods bind only to activated platelets. Journal of Biomedical Materials Research - Part A, 2017, 105, 209-217.	4.0	6
51	Neutrophil cathepsin G proteolysis of protease-activated receptor 4Âgenerates a novel, functional tethered ligand. Blood Advances, 2022, 6, 2303-2308.	5.2	5
52	Integrin Î±DÎ²2 influences cerebral edema, leukocyte accumulation and neurologic outcomes in experimental severe malaria. PLoS ONE, 2019, 14, e0224610.	2.5	4
53	The reduced form of coagulation factor XI is associated with illness severity and coagulopathy in critically-ill septic patients. Journal of Thrombosis and Thrombolysis, 2019, 47, 186-191.	2.1	4
54	Shining a light on platelet activation in COVIDâ€19. Journal of Thrombosis and Haemostasis, 2022, , .	3.8	3

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55	Management of coagulation disorders in severe inflammation. HemaSphere, 2019, 3, 95-98.	2.7	2
56	Haem oxygenase protects against thrombocytopaenia and malaria-associated lung injury. Malaria Journal, 2020, 19, 234.	2.3	2
57	Platelet electrical resistance for measuring platelet activation and adhesion in human health and disease. Thrombosis Research, 2021, 198, 204-209.	1.7	1
58	Impact of the COVIDâ€19 pandemic on education and clinical training. Journal of Thrombosis and Haemostasis, 2021, 19, 2099-2100.	3.8	1
59	Megakaryocyte-specific knockout of the Mir-99b/let7e/125a cluster lowers platelet count without altering platelet function. Blood Cells, Molecules, and Diseases, 2021, 92, 102624.	1.4	1
60	Cathepsin G Cleavage of PAR4 Generates a Novel Tethered Ligand That Induces Platelet Activation. Blood, 2020, 136, 2-2.	1.4	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. Blood, 2020, 136, 12-12.	1.4	1
62	Interleukin 6 receptor alpha expression in PMNs isolated from prematurely born neonates: decreased expression is associated with differential mTOR signaling. Pediatric Research, 2019, 86, 55-62.	2.3	0
63	The mTOR Pathway in Platelets Contributes to the Pathophysiology of Experimental Cerebral Malaria. Blood, 2021, 138, 580-580.	1.4	0