

Guy A Zimmerman

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96
papers

12,355
citations

53
h-index

111
g-index

148
ext. papers

14,014
ext. citations

9.4
avg, IF

6.31
L-index

#	Paper	IF	Citations
96	The acute respiratory distress syndrome. <i>Journal of Clinical Investigation</i> , 2012 , 122, 2731-40	15.9	1144
95	Rapid neutrophil adhesion to activated endothelium mediated by GMP-140. <i>Nature</i> , 1990 , 343, 757-60	50.4	860
94	Acute respiratory distress syndrome. <i>Nature Reviews Disease Primers</i> , 2019 , 5, 18	51.1	670
93	Endothelial cell interactions with granulocytes: tethering and signaling molecules. <i>Trends in Immunology</i> , 1992 , 13, 93-100		653
92	Platelet-activating factor and related lipid mediators. <i>Annual Review of Biochemistry</i> , 2000 , 69, 419-45	29.1	568
91	Activated platelets mediate inflammatory signaling by regulated interleukin 1beta synthesis. <i>Journal of Cell Biology</i> , 2001 , 154, 485-90	7.3	540
90	Escaping the nuclear confines: signal-dependent pre-mRNA splicing in anucleate platelets. <i>Cell</i> , 2005 , 122, 379-91	56.2	493
89	Acute lung injury and the acute respiratory distress syndrome: four decades of inquiry into pathogenesis and rational management. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005 , 33, 319-27	5.7	474
88	Genome-wide RNA-seq analysis of human and mouse platelet transcriptomes. <i>Blood</i> , 2011 , 118, e101-112	2.2	393
87	Platelets: signaling cells in the immune continuum. <i>Trends in Immunology</i> , 2004 , 25, 489-95	14.4	343
86	The platelet-activating factor signaling system and its regulators in syndromes of inflammation and thrombosis. <i>Critical Care Medicine</i> , 2002 , 30, S294-301	1.4	291
85	Signal-dependent splicing of tissue factor pre-mRNA modulates the thrombogenicity of human platelets. <i>Journal of Experimental Medicine</i> , 2006 , 203, 2433-40	16.6	289
84	The leukocyte integrins. <i>Journal of Biological Chemistry</i> , 2000 , 275, 23409-12	5.4	254
83	Protein kinase C regulates the nuclear localization of diacylglycerol kinase-zeta. <i>Nature</i> , 1998 , 394, 697-700	10.4	248
82	Impaired neutrophil extracellular trap (NET) formation: a novel innate immune deficiency of human neonates. <i>Blood</i> , 2009 , 113, 6419-27	2.2	238
81	Targeting Robo4-dependent Slit signaling to survive the cytokine storm in sepsis and influenza. <i>Science Translational Medicine</i> , 2010 , 2, 23ra19	17.5	232
80	Platelets as cellular effectors of inflammation in vascular diseases. <i>Circulation Research</i> , 2013 , 112, 1506-1517	15.7	214

79	Platelets mediate increased endothelium permeability in dengue through NLRP3-inflammasome activation. <i>Blood</i> , 2013 , 122, 3405-14	2.2	207
78	Activation of human neutrophil phospholipase D by three separable mechanisms. <i>FASEB Journal</i> , 1990 , 4, 208-14	0.9	203
77	Platelets: versatile effector cells in hemostasis, inflammation, and the immune continuum. <i>Seminars in Immunopathology</i> , 2012 , 34, 5-30	12	200
76	Engagement of P-selectin glycoprotein ligand-1 enhances tyrosine phosphorylation and activates mitogen-activated protein kinases in human neutrophils. <i>Journal of Biological Chemistry</i> , 1997 , 272, 28750-6	5.4	177
75	VTE Incidence and Risk Factors in Patients With Severe Sepsis and Septic Shock. <i>Chest</i> , 2015 , 148, 1224-1230	3.3	148
74	Signal-dependent protein synthesis by activated platelets: new pathways to altered phenotype and function. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, s17-24	9.4	141
73	Leukocyte adhesion deficiency syndromes: adhesion and tethering defects involving beta 2 integrins and selectin ligands. <i>Current Opinion in Hematology</i> , 2002 , 9, 30-5	3.3	141
72	Platelet-activating factor: a mediator for clinicians. <i>Journal of Internal Medicine</i> , 1995 , 238, 5-20	10.8	129
71	Anucleate platelets generate progeny. <i>Blood</i> , 2010 , 115, 3801-9	2.2	125
70	A Juxtacrine Mechanism for Neutrophil Adhesion on Platelets Involves Platelet-Activating Factor and a Selectin-Dependent Activation Process. <i>Blood</i> , 1998 , 91, 3028-3036	2.2	124
69	mTOR-dependent synthesis of Bcl-3 controls the retraction of fibrin clots by activated human platelets. <i>Blood</i> , 2007 , 109, 1975-83	2.2	113
68	Platelets in lung biology. <i>Annual Review of Physiology</i> , 2013 , 75, 569-91	23.1	110
67	Integrin-dependent control of translation: engagement of integrin alphaIIb beta3 regulates synthesis of proteins in activated human platelets. <i>Journal of Cell Biology</i> , 1999 , 144, 175-84	7.3	110
66	Dipyridamole selectively inhibits inflammatory gene expression in platelet-monocyte aggregates. <i>Circulation</i> , 2005 , 111, 633-42	16.7	109
65	Cell-cell interactions: leukocyte-endothelial interactions. <i>Current Opinion in Hematology</i> , 2003 , 10, 150-8	3.3	108
64	The platelet activating factor (PAF) signaling cascade in systemic inflammatory responses. <i>Biochimie</i> , 2010 , 92, 692-7	4.6	106
63	Amicus or adversary: platelets in lung biology, acute injury, and inflammation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2009 , 40, 123-34	5.7	106
62	Outside-in signals delivered by matrix metalloproteinase-1 regulate platelet function. <i>Circulation Research</i> , 2002 , 90, 1093-9	15.7	97

61	Platelet activation and apoptosis modulate monocyte inflammatory responses in dengue. <i>Journal of Immunology</i> , 2014 , 193, 1864-72	5.3	96
60	Platelet-activating factor acetylhydrolase activity in human tissues and blood cells. <i>Lipids</i> , 1991 , 26, 979-85	8.5	94
59	Leukocyte activation induces surface redistribution of P-selectin glycoprotein ligand-1. <i>Journal of Leukocyte Biology</i> , 1997 , 61, 489-99	6.5	92
58	Change in protein phenotype without a nucleus: translational control in platelets. <i>Seminars in Thrombosis and Hemostasis</i> , 2004 , 30, 491-8	5.3	92
57	Platelets in Pulmonary Immune Responses and Inflammatory Lung Diseases. <i>Physiological Reviews</i> , 2016 , 96, 1211-59	47.9	84
56	Differential regulation of matrix metalloproteinase-9 by monocytes adherent to collagen and platelets. <i>Circulation Research</i> , 2001 , 89, 509-16	15.7	84
55	Cognitive dysfunction is sustained after rescue therapy in experimental cerebral malaria, and is reduced by additive antioxidant therapy. <i>PLoS Pathogens</i> , 2010 , 6, e1000963	7.6	79
54	In vivo platelet activation in critically ill patients with primary 2009 influenza A(H1N1). <i>Chest</i> , 2012 , 141, 1490-1495	5.3	78
53	Neutrophils alter the inflammatory milieu by signal-dependent translation of constitutive messenger RNAs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 7076-81	11.5	77
52	Lessons from rare maladies: leukocyte adhesion deficiency syndromes. <i>Current Opinion in Hematology</i> , 2013 , 20, 16-25	3.3	73
51	Human megakaryocytes possess intrinsic antiviral immunity through regulated induction of IFITM3. <i>Blood</i> , 2019 , 133, 2013-2026	2.2	70
50	Neonatal NET-inhibitory factor and related peptides inhibit neutrophil extracellular trap formation. <i>Journal of Clinical Investigation</i> , 2016 , 126, 3783-3798	15.9	70
49	Sepsis alters the transcriptional and translational landscape of human and murine platelets. <i>Blood</i> , 2019 , 134, 911-923	2.2	60
48	Platelets, endothelial cells, inflammatory chemokines, and restenosis: complex signaling in the vascular play book. <i>Circulation</i> , 2002 , 106, 1433-5	16.7	57
47	Platelet proteome reveals novel pathways of platelet activation and platelet-mediated immunoregulation in dengue. <i>PLoS Pathogens</i> , 2017 , 13, e1006385	7.6	55
46	A novel syndrome of variant leukocyte adhesion deficiency involving defects in adhesion mediated by beta1 and beta2 integrins. <i>Blood</i> , 2001 , 97, 767-76	2.2	54
45	Expression of fatty acid-CoA ligase 4 during development and in brain. <i>FEBS Letters</i> , 2000 , 467, 263-7	3.8	54
44	Expression of COX-2 in platelet-monocyte interactions occurs via combinatorial regulation involving adhesion and cytokine signaling. <i>Journal of Clinical Investigation</i> , 2006 , 116, 2727-38	15.9	53

43	Nitron-based therapeutics for neurodegenerative diseases: their use alone or in combination with lanthionines. <i>Free Radical Biology and Medicine</i> , 2013 , 62, 145-156	7.8	51
42	Platelet-monocyte aggregate formation and mortality risk in older patients with severe sepsis and septic shock. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015 , 70, 225-31	6.4	47
41	Human endothelial cells regulate polymorphonuclear leukocyte degranulation. <i>FASEB Journal</i> , 1998 , 12, 733-46	0.9	47
40	The interaction of leukocytes with platelets in blood coagulation. <i>Current Opinion in Hematology</i> , 1995 , 2, 47-54	3.3	39
39	Platelets in dengue infection. <i>Drug Discovery Today Disease Mechanisms</i> , 2011 , 8, e33-e38		36
38	Amicus or Adversary Revisited: Platelets in Acute Lung Injury and Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018 , 59, 18-35	5.7	34
37	Persistent platelet activation and apoptosis in virologically suppressed HIV-infected individuals. <i>Scientific Reports</i> , 2018 , 8, 14999	4.9	32
36	Platelets in atherothrombosis: new and evolving roles. <i>Current Pharmaceutical Design</i> , 2007 , 13, 1685-91	3.3	31
35	Immunology. Arsonists in rheumatoid arthritis. <i>Science</i> , 2010 , 327, 528-9	33.3	29
34	Signaling to translational control pathways: diversity in gene regulation in inflammatory and vascular cells. <i>Trends in Cardiovascular Medicine</i> , 2005 , 15, 9-17	6.9	22
33	Integrin α IIb β 3 (CD11b/CD62b) is expressed by human circulating and tissue myeloid leukocytes and mediates inflammatory signaling. <i>PLoS ONE</i> , 2014 , 9, e112770	3.7	21
32	Bacterial lipopolysaccharide induces endothelial cells to synthesize a degranulating factor for neutrophils. <i>FASEB Journal</i> , 1998 , 12, 673-84	0.9	20
31	Integrin α IIb β 3 is dynamically expressed by inflamed macrophages and alters the natural history of lethal systemic infections. <i>Journal of Immunology</i> , 2008 , 180, 590-600	5.3	18
30	F-fluoro-2-deoxyglucose PET informs neutrophil accumulation and activation in lipopolysaccharide-induced acute lung injury. <i>Nuclear Medicine and Biology</i> , 2017 , 48, 52-62	2.1	17
29	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	9.4	17
28	Platelet-Monocyte Aggregates and C-Reactive Protein are Associated with VTE in Older Surgical Patients. <i>Scientific Reports</i> , 2016 , 6, 27478	4.9	16
27	Clots Are Potent Triggers of Inflammatory Cell Gene Expression: Indications for Timely Fibrinolysis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, 1819-1827	9.4	16
26	Whole blood flow cytometry measurements of in vivo platelet activation in critically-ill patients are influenced by variability in blood sampling techniques. <i>Thrombosis Research</i> , 2012 , 129, 729-35	8.2	16

25	Response: Gestational age as a factor in neutrophil extracellular trap formation. <i>Blood</i> , 2009 , 114, 4911-4912	16
24	Leukocyte adhesion deficiency-I variant syndrome (LAD-Iv, LAD-III): molecular characterization of the defect in an index family. <i>American Journal of Hematology</i> , 2012 , 87, 311-3	7.1 15
23	Evaluating the relevance of the platelet transcriptome. <i>Blood</i> , 2003 , 102, 1550-1	2.2 14
22	PAF, ceramide and pulmonary edema: alveolar flooding and a flood of questions. <i>Trends in Molecular Medicine</i> , 2004 , 10, 245-8	11.5 13
21	Integrin α _{IIb} (CD11b/CD62b) mediates experimental malaria-associated acute respiratory distress syndrome (MA-ARDS). <i>Malaria Journal</i> , 2016 , 15, 393	3.6 13
20	LAD syndromes: FERMT3 kindles the signal. <i>Blood</i> , 2009 , 113, 4485-6	2.2 12
19	Dengue virus-activated platelets modulate monocyte immunometabolic response through lipid droplet biogenesis and cytokine signaling. <i>Journal of Leukocyte Biology</i> , 2020 , 108, 1293-1306	6.5 11
18	Integrin α _{IIb} (CD11b/CD62b) Modulates Leukocyte Accumulation, Pathogen Clearance, and Pyroptosis in Experimental Typhimurium Infection. <i>Frontiers in Immunology</i> , 2018 , 9, 1128	8.4 8
17	Platelet function in HIV plus dengue coinfection associates with reduced inflammation and milder dengue illness. <i>Scientific Reports</i> , 2019 , 9, 7096	4.9 7
16	The Role of Platelets in Inflammation 2019 , 505-522	4
15	The Platelet Proteome 2013 , 103-116	3
14	Comparative genomics: fishing nets hemostatic catch. <i>Blood</i> , 2009 , 113, 4479-80	2.2 3
13	Convenient and rapid ribonuclease protection assay for use with primary cell cultures. <i>BioTechniques</i> , 2001 , 31, 992-3	2.5 3
12	Heparanase expression and activity are increased in platelets during clinical sepsis. <i>Journal of Thrombosis and Haemostasis</i> , 2021 , 19, 1319-1330	15.4 3
11	COVID-19-Associated Acute Respiratory Distress Syndrome: Lessons from Tissues and Cells. <i>Critical Care Clinics</i> , 2021 , 37, 777-793	4.5 3
10	Platelet Signal-Dependent Protein Synthesis 2005 , 149-174	2
9	Integrin α _{IIb} influences cerebral edema, leukocyte accumulation and neurologic outcomes in experimental severe malaria. <i>PLoS ONE</i> , 2019 , 14, e0224610	3.7 2
8	Inflammatory, synaptic, motor, and behavioral alterations induced by gestational sepsis on the offspring at different stages of life. <i>Journal of Neuroinflammation</i> , 2021 , 18, 60	10.1 2

7	Pulmonary Endothelial Interactions with Leukocytes and Platelets143-166		2
6	Haem oxygenase protects against thrombocytopaenia and malaria-associated lung injury. <i>Malaria Journal</i> , 2020 , 19, 234	3.6	1
5	The Endothelium in Acute Respiratory Distress Syndrome1178-1192		1
4	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 ^{3,2}		
3	Reply to Schattner. <i>Circulation Research</i> , 2013 , 113, e93		15.7
2	Platelets: inflammatory effector cells in the conflagration of cystic fibrosis lung disease. <i>Journal of Clinical Investigation</i> , 2020 , 130, 1632-1634		15.9
1	Signal dependent pre-mRNA splicing regulates the surface thrombogenicity of platelets. <i>FASEB Journal</i> , 2006 , 20, A666		0.9