

Guy A Zimmerman

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

15,384
citations

28274

55
h-index

42399

92
g-index

148
all docs

148
docs citations

148
times ranked

16244
citing authors

#	ARTICLE	IF	CITATIONS
1	The acute respiratory distress syndrome. <i>Journal of Clinical Investigation</i> , 2012, 122, 2731-2740.	8.2	1,434
2	Acute respiratory distress syndrome. <i>Nature Reviews Disease Primers</i> , 2019, 5, 18.	30.5	1,364
3	Rapid neutrophil adhesion to activated endothelium mediated by GMP-140. <i>Nature</i> , 1990, 343, 757-760.	27.8	952
4	Endothelial cell interactions with granulocytes: tethering and signaling molecules. <i>Trends in Immunology</i> , 1992, 13, 93-100.	7.5	730
5	Platelet-Activating Factor and Related Lipid Mediators. <i>Annual Review of Biochemistry</i> , 2000, 69, 419-445.	11.1	668
6	Activated platelets mediate inflammatory signaling by regulated interleukin 1 β synthesis. <i>Journal of Cell Biology</i> , 2001, 154, 485-490.	5.2	633
7	Escaping the Nuclear Confines: Signal-Dependent Pre-mRNA Splicing in Anucleate Platelets. <i>Cell</i> , 2005, 122, 379-391.	28.9	588
8	Acute Lung Injury and the Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005, 33, 319-327.	2.9	584
9	Genome-wide RNA-seq analysis of human and mouse platelet transcriptomes. <i>Blood</i> , 2011, 118, e101-e111.	1.4	484
10	Platelets: signaling cells in the immune continuum. <i>Trends in Immunology</i> , 2004, 25, 489-495.	6.8	393
11	The platelet-activating factor signaling system and its regulators in syndromes of inflammation and thrombosis. <i>Critical Care Medicine</i> , 2002, 30, S294-S301.	0.9	354
12	Signal-dependent splicing of tissue factor pre-mRNA modulates the thrombogenicity of human platelets. <i>Journal of Experimental Medicine</i> , 2006, 203, 2433-2440.	8.5	327
13	The Leukocyte Integrins. <i>Journal of Biological Chemistry</i> , 2000, 275, 23409-23412.	3.4	292
14	Impaired neutrophil extracellular trap (NET) formation: a novel innate immune deficiency of human neonates. <i>Blood</i> , 2009, 113, 6419-6427.	1.4	291
15	Platelets mediate increased endothelium permeability in dengue through NLRP3-inflammasome activation. <i>Blood</i> , 2013, 122, 3405-3414.	1.4	276
16	Targeting Robo4-Dependent Slit Signaling to Survive the Cytokine Storm in Sepsis and Influenza. <i>Science Translational Medicine</i> , 2010, 2, 23ra19.	12.4	267
17	Protein kinase C regulates the nuclear localization of diacylglycerol kinase- β . <i>Nature</i> , 1998, 394, 697-700.	27.8	263
18	Platelets as Cellular Effectors of Inflammation in Vascular Diseases. <i>Circulation Research</i> , 2013, 112, 1506-1519.	4.5	260

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19	Platelets: versatile effector cells in hemostasis, inflammation, and the immune continuum. <i>Seminars in Immunopathology</i> , 2012, 34, 5-30.	6.1	256
20	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, 28750-28756.	3.4	213
21	Activation of human neutrophil phospholipase D by three separable mechanisms. <i>FASEB Journal</i> , 1990, 4, 208-214.	0.5	210
22	VTE Incidence and Risk Factors in Patients With Severe Sepsis and Septic Shock. <i>Chest</i> , 2015, 148, 1224-1230.	0.8	202
23	Signal-Dependent Protein Synthesis by Activated Platelets. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, s17-24.	2.4	173
24	Anucleate platelets generate progeny. <i>Blood</i> , 2010, 115, 3801-3809.	1.4	164
25	Leukocyte adhesion deficiency syndromes: adhesion and tethering defects involving β_2 integrins and selectin ligands. <i>Current Opinion in Hematology</i> , 2002, 9, 30-35.	2.5	160
26	Platelet-activating factor: a mediator for clinicians. <i>Journal of Internal Medicine</i> , 1995, 238, 5-20.	6.0	143
27	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.	1.4	136
28	Platelets in Lung Biology. <i>Annual Review of Physiology</i> , 2013, 75, 569-591.	13.1	135
29	Cell-cell interactions: leukocyte-endothelial interactions. <i>Current Opinion in Hematology</i> , 2003, 10, 150-158.	2.5	130
30	The platelet activating factor (PAF) signaling cascade in systemic inflammatory responses. <i>Biochimie</i> , 2010, 92, 692-697.	2.6	128
31	Human megakaryocytes possess intrinsic antiviral immunity through regulated induction of IFITM3. <i>Blood</i> , 2019, 133, 2013-2026.	1.4	127
32	Platelet Activation and Apoptosis Modulate Monocyte Inflammatory Responses in Dengue. <i>Journal of Immunology</i> , 2014, 193, 1864-1872.	0.8	125
33	Amicus or Adversary. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2009, 40, 123-134.	2.9	124
34	Dipyridamole Selectively Inhibits Inflammatory Gene Expression in Platelet-Monocyte Aggregates. <i>Circulation</i> , 2005, 111, 633-642.	1.6	123
35	mTOR-dependent synthesis of Bcl-3 controls the retraction of fibrin clots by activated human platelets. <i>Blood</i> , 2007, 109, 1975-1983.	1.4	123
36	Platelets in Pulmonary Immune Responses and Inflammatory Lung Diseases. <i>Physiological Reviews</i> , 2016, 96, 1211-1259.	28.8	122

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37	Integrin-dependent Control of Translation: Engagement of Integrin α IIb β 3 Regulates Synthesis of Proteins in Activated Human Platelets. <i>Journal of Cell Biology</i> , 1999, 144, 175-184.	5.2	121
38	Change in Protein Phenotype without a Nucleus: Translational Control in Platelets. <i>Seminars in Thrombosis and Hemostasis</i> , 2004, 30, 491-498.	2.7	113
39	Neonatal NET-inhibitory factor and related peptides inhibit neutrophil extracellular trap formation. <i>Journal of Clinical Investigation</i> , 2016, 126, 3783-3798.	8.2	111
40	Sepsis alters the transcriptional and translational landscape of human and murine platelets. <i>Blood</i> , 2019, 134, 911-923.	1.4	111
41	Outside-In Signals Delivered by Matrix Metalloproteinase-1 Regulate Platelet Function. <i>Circulation Research</i> , 2002, 90, 1093-1099.	4.5	108
42	Platelet-activating factor acetylhydrolase activity in human tissues and blood cells. <i>Lipids</i> , 1991, 26, 979-985.	1.7	100
43	Leukocyte activation induces surface redistribution of P-selectin glycoprotein ligand-1. <i>Journal of Leukocyte Biology</i> , 1997, 61, 489-499.	3.3	99
44	In Vivo Platelet Activation in Critically Ill Patients With Primary 2009 Influenza A(H1N1). <i>Chest</i> , 2012, 141, 1490-1495.	0.8	96
45	Differential Regulation of Matrix Metalloproteinase-9 by Monocytes Adherent to Collagen and Platelets. <i>Circulation Research</i> , 2001, 89, 509-516.	4.5	95
46	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.	4.7	91
47	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, 7076-7081.	7.1	90
48	Lessons from rare maladies. <i>Current Opinion in Hematology</i> , 2012, 20, 1.	2.5	89
49	Platelet proteome reveals novel pathways of platelet activation and platelet-mediated immunoregulation in dengue. <i>PLoS Pathogens</i> , 2017, 13, e1006385.	4.7	76
50	Platelets, Endothelial Cells, Inflammatory Chemokines, and Restenosis. <i>Circulation</i> , 2002, 106, 1433-1435.	1.6	64
51	Expression of fatty acid-CoA ligase 4 during development and in brain. <i>FEBS Letters</i> , 2000, 467, 263-267.	2.8	63
52	Nitronone-based therapeutics for neurodegenerative diseases: Their use alone or in combination with lanthionines. <i>Free Radical Biology and Medicine</i> , 2013, 62, 145-156.	2.9	63
53	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, 2727-2738.	8.2	60
54	A novel syndrome of variant leukocyte adhesion deficiency involving defects in adhesion mediated by α 1 and α 2 integrins. <i>Blood</i> , 2001, 97, 767-776.	1.4	59

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55	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, 225-231.	3.6	58
56	Human endothelial cells regulate polymorphonuclear leukocyte degranulation. <i>FASEB Journal</i> , 1998, 12, 733-746.	0.5	51
57	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.	2.9	50
58	Persistent platelet activation and apoptosis in virologically suppressed HIV-infected individuals. <i>Scientific Reports</i> , 2018, 8, 14999.	3.3	50
59	Platelets in dengue infection. <i>Drug Discovery Today Disease Mechanisms</i> , 2011, 8, e33-e38.	0.8	45
60	The interaction of leukocytes with platelets in blood coagulation. <i>Current Opinion in Hematology</i> , 1995, 2, 47-54.	2.5	44
61	Platelets in Atherothrombosis: New and Evolving Roles. <i>Current Pharmaceutical Design</i> , 2007, 13, 1685-1691.	1.9	38
62	Arsonists in Rheumatoid Arthritis. <i>Science</i> , 2010, 327, 528-529.	12.6	33
63	Integrin α 2 β 2 (CD11d/CD18) Is Expressed by Human Circulating and Tissue Myeloid Leukocytes and Mediates Inflammatory Signaling. <i>PLoS ONE</i> , 2014, 9, e112770.	2.5	33
64	Signaling to Translational Control Pathways: Diversity in Gene Regulation in Inflammatory and Vascular Cells. <i>Trends in Cardiovascular Medicine</i> , 2005, 15, 9-17.	4.9	29
65	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.	2.4	29
66	Integrin α 2 β 2 Is Dynamically Expressed by Inflamed Macrophages and Alters the Natural History of Lethal Systemic Infections. <i>Journal of Immunology</i> , 2008, 180, 590-600.	0.8	26
67	¹⁸ 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.	0.6	24
68	Platelet-Monocyte Aggregates and C-Reactive Protein are Associated with VTE in Older Surgical Patients. <i>Scientific Reports</i> , 2016, 6, 27478.	3.3	22
69	Clots Are Potent Triggers of Inflammatory Cell Gene Expression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 1819-1827.	2.4	21
70	Bacterial lipopolysaccharide induces endothelial cells to synthesize a degranulating factor for neutrophils. <i>FASEB Journal</i> , 1998, 12, 673-684.	0.5	20
71	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, 311-313.	4.1	19
72	Persistent cognitive impairment after cerebral malaria: models, mechanisms and adjunctive therapies. <i>Expert Review of Anti-Infective Therapy</i> , 2010, 8, 1209-1212.	4.4	18

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73	Integrin α IIb β 3 (CD11b/CD18) mediates experimental malaria-associated acute respiratory distress syndrome (MA-ARDS). <i>Malaria Journal</i> , 2016, 15, 393.	2.3	18
74	Response: Gestational age as a factor in neutrophil extracellular trap formation. <i>Blood</i> , 2009, 114, 4911-4912.	1.4	17
75	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, 729-735.	1.7	17
76	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.	3.3	17
77	Evaluating the relevance of the platelet transcriptome. <i>Blood</i> , 2003, 102, 1550-1551.	1.4	16
78	PAF, ceramide and pulmonary edema: alveolar flooding and a flood of questions. <i>Trends in Molecular Medicine</i> , 2004, 10, 245-248.	6.7	16
79	LAD syndromes: FERMT3 kindles the signal. <i>Blood</i> , 2009, 113, 4485-4486.	1.4	15
80	Heparanase expression and activity are increased in platelets during clinical sepsis. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 1319-1330.	3.8	15
81	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.	7.2	11
82	Integrin α IIb β 3 (CD11b/CD18) Modulates Leukocyte Accumulation, Pathogen Clearance, and Pyroptosis in Experimental <i>Salmonella Typhimurium</i> Infection. <i>Frontiers in Immunology</i> , 2018, 9, 1128.	4.8	10
83	Platelet function in HIV plus dengue coinfection associates with reduced inflammation and milder dengue illness. <i>Scientific Reports</i> , 2019, 9, 7096.	3.3	10
84	Early Returns in Vascular Inflammation in ARDS. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 1514-1516.	5.6	7
85	The Role of Platelets in Inflammation. , 2019, , 505-522.		6
86	COVID-19-associated Acute Respiratory Distress Syndrome. <i>Critical Care Clinics</i> , 2021, 37, 777-793.	2.6	6
87	Integrin α IIb β 3 influences cerebral edema, leukocyte accumulation and neurologic outcomes in experimental severe malaria. <i>PLoS ONE</i> , 2019, 14, e0224610.	2.5	4
88	Convenient and Rapid Ribonuclease Protection Assay for Use with Primary Cell Cultures. <i>BioTechniques</i> , 2001, 31, 992-993.	1.8	3
89	Comparative genomics: fishing nets hemostatic catch. <i>Blood</i> , 2009, 113, 4479-4480.	1.4	3
90	The Platelet Proteome. , 2013, , 103-116.		3

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91	Haem oxygenase protects against thrombocytopaenia and malaria-associated lung injury. <i>Malaria Journal</i> , 2020, 19, 234.	2.3	2
92	Pulmonary Endothelial Interactions with Leukocytes and Platelets. , 0, , 143-166.		2
93	Platelet Signal-Dependent Protein Synthesis. , 2005, , 149-174.		2
94	The Endothelium in Acute Respiratory Distress Syndrome. , 0, , 1178-1192.		1
95	MATURE TISSUE FACTOR MRNA IS EXPRESSED IN VIVO BY PLATELETS ISOLATED FROM PATIENTS WITH SEPSIS. <i>Chest</i> , 2006, 130, 134S.	0.8	1
96	Platelets: inflammatory effector cells in the conflagration of cystic fibrosis lung disease. <i>Journal of Clinical Investigation</i> , 2020, 130, 1632-1634.	8.2	1
97	Reply to Schattner. <i>Circulation Research</i> , 2013, 113, e93.	4.5	0
98	1422: ALTERATIONS IN THE PLATELET MOLECULAR SIGNATURE ARE LINKED TO SHORT-TERM MORTALITY IN SEPSIS. <i>Critical Care Medicine</i> , 2018, 46, 695-695.	0.9	0
99	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.	2.3	0
100	Signal dependent preâ€mRNA splicing regulates the surface thrombogenicity of platelets. <i>FASEB Journal</i> , 2006, 20, A666.	0.5	0
101	Platelets, Atherosclerosis, and Immunity. , 2014, , 859-869.		0
102	A decoy mutant ACE2 designed to reduce COVID-19. <i>Trends in Pharmacological Sciences</i> , 2022, , .	8.7	0