Timothy J Stalker

List of Publications by Year
in descending order

80 papers	4,031 citations	126907 33 h-index	118850 62 g-index
80 all docs	80 docs citations	80 times ranked	4831 citing authors

#	Article	IF	Citations
1	Thrombin spatial distribution determines protein CÂactivation during hemostasis and thrombosis. Blood, 2022, 139, 1892-1902.	1.4	9
2	A Human Vascular Injuryâ€onâ€aâ€Chip Model of Hemostasis. Small, 2021, 17, e2004889.	10.0	15
3	The contribution of TFPIÎ± to the hemostatic response to injury in mice. Journal of Thrombosis and Haemostasis, 2021, 19, 2182-2192.	3.8	3
4	GRK2 Regulates ADP Signaling in Platelets Via P2Y 1 and P2Y 12. Blood, 2021, 138, 578-578.	1.4	0
5	Use of electron microscopy to study platelets and thrombi. Platelets, 2020, 31, 580-588.	2.3	14
6	Mouse models of platelet function in vivo. Platelets, 2020, 31, 415-416.	2.3	2
7	Mouse laser injury models: variations on a theme. Platelets, 2020, 31, 423-431.	2.3	16
8	GRK6 regulates the hemostatic response to injury through its rate-limiting effects on GPCR signaling in platelets. Blood Advances, 2020, 4, 76-86.	5.2	14
9	Bleeding Cessation in a Mouse Jugular Vein Puncture Wound Model Is Caused By Extravascular Capping, Not Hole Infill. Blood, 2020, 136, 13-14.	1.4	0
10	Interrelationships between structure and function during the hemostatic response to injury. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2243-2252.	7.1	54
11	Hemostatic Thrombus Formation in Flowing Blood. , 2019, , 371-391.		5
12	Platelet Activation State Intermixing in a Venous Puncture Model Indicates Novel Patterns of Thrombus Formation. Blood, 2019, 134, 9-9.	1.4	3
13	RGS10 shapes the hemostatic response to injury through its differential effects on intracellular signaling by platelet agonists. Blood Advances, 2018, 2, 2145-2155.	5.2	13
14	A Systems Approach to the Platelet Signaling Network and the Hemostatic Response to Injury. , 2017, , 367-378.		2
15	Regulation of Platelet Activation and Coagulation and Its Role in Vascular Injury and Arterial Thrombosis. Interventional Cardiology Clinics, 2017, 6, 1-12.	0.4	119
16	Phosphatidylinositol transfer protein-Î± in platelets is inconsequential for thrombosis yet is utilized for tumor metastasis. Nature Communications, 2017, 8, 1216.	12.8	22
17	Peptides derived from MARCKS block coagulation complex assembly on phosphatidylserine. Scientific Reports, 2017, 7, 4275.	3.3	14
18	Coordination of platelet agonist signaling during the hemostatic response in vivo. Blood Advances, 2017, 1, 2767-2775.	5.2	28

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19	Loss of pleckstrin-2 reverts lethality and vascular occlusions in JAK2V617F-positive myeloproliferative neoplasms. Journal of Clinical Investigation, 2017, 128, 125-140.	8.2	30
20	Platelets and hemostasis: a new perspective on an old subject. Blood Advances, 2016, 1, 5-9.	5.2	31
21	A systems approach to hemostasis: 4. How hemostatic thrombi limit the loss of plasma-borne molecules from the microvasculature. Blood, 2016, 127, 1598-1605.	1.4	46
22	Pleckstrin-2 Plays an Essential Role in the Pathogenesis of JAK2V617F-Induced Myeloproliferative Neoplasms. Blood, 2016, 128, 798-798.	1.4	0
23	Defective release of Î± granule and lysosome contents from platelets in mouse Hermansky-Pudlak syndrome models. Blood, 2015, 125, 1623-1632.	1.4	43
24	Spatiotemporal regulation of coagulation and platelet activation during the hemostatic response inÂvivo. Journal of Thrombosis and Haemostasis, 2015, 13, 1949-1959.	3.8	42
25	Platelet Activation Gradients During Thrombus Formation. Blood, 2015, 126, SCI-13-SCI-13.	1.4	4
26	Platelet Pitp-Alpha Promotes Thrombin Generation and the Dissemination of Tumor Metastasis, but Has Minimal Effect on Vascular Plug Formation. Blood, 2015, 126, 418-418.	1.4	1
27	Shaping the platelet response to vascular injury. Current Opinion in Hematology, 2014, 21, 410-417.	2.5	56
28	Loss of PIKfyve in platelets causes a lysosomal disease leading to inflammation and thrombosis in mice. Nature Communications, 2014, 5, 4691.	12.8	39
29	A systems approach to hemostasis: 3. Thrombus consolidation regulates intrathrombus solute transport and local thrombin activity. Blood, 2014, 124, 1824-1831.	1.4	140
30	A systems approach to hemostasis: 1. The interdependence of thrombus architecture and agonist movements in the gaps between platelets. Blood, 2014, 124, 1808-1815.	1.4	151
31	A systems approach to hemostasis: 2. Computational analysis of molecular transport in the thrombus microenvironment. Blood, 2014, 124, 1816-1823.	1.4	102
32	Harnessing the Platelet Signaling Network to Produce an Optimal Hemostatic Response. Hematology/Oncology Clinics of North America, 2013, 27, 381-409.	2.2	26
33	Hierarchical organization in the hemostatic response and its relationship to the platelet-signaling network. Blood, 2013, 121, 1875-1885.	1.4	345
34	Signal Transduction During Platelet Plug Formation. , 2013, , 367-398.		20
35	Simulation of Intrathrombus Fluid and Solute Transport Using In Vivo Clot Structures with Single Platelet Resolution. Annals of Biomedical Engineering, 2013, 41, 1297-1307.	2.5	51
36	Platelets lacking PIP5KIÎ³ have normal integrin activation but impaired cytoskeletal-membrane integrity and adhesion. Blood, 2013, 121, 2743-2752.	1.4	20

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37	Thromboxane A2 Signaling Regulates Heterogeneous Platelet Activation Following Laser-Induced Injury In Mouse Cremaster Arterioles. Blood, 2013, 122, 1055-1055.	1.4	1
38	Pikfyve Deletion In Platelets Causes Aberrant Platelet Lysosomal Storage Associated With Inappropriate Inflammatory Response. Blood, 2013, 122, 24-24.	1.4	1
39	Inhibition of Rho-kinase attenuates endothelialâ€“leukocyte interaction during ischemiaâ€“reperfusion injury. Vascular Medicine, 2012, 17, 379-385.	1.5	19
40	Minding the Gapsâ€"and the Junctions, Too. Circulation, 2012, 125, 2414-2416.	1.6	12
41	A newly identified complex of spinophilin and the tyrosine phosphatase, SHP-1, modulates platelet activation by regulating G proteinâ€“dependent signaling. Blood, 2012, 119, 1935-1945.	1.4	57
42	JAM-A protects from thrombosis by suppressing integrin Î±IIbÎ²3-dependent outside-in signaling in platelets. Blood, 2012, 119, 3352-3360.	1.4	70
43	Plateletâ€targeting sensor reveals thrombin gradients within blood clots forming in microfluidic assays and in mouse. Journal of Thrombosis and Haemostasis, 2012, 10, 2344-2353.	3.8	83
44	Platelet Signaling. Handbook of Experimental Pharmacology, 2012, , 59-85.	1.8	122
45	Pikfyve-Deficient Platelets Mediate Inflammation and Thrombosis by Releasing Aberrant Granules. Blood, 2012, 120, 262-262.	1.4	0
46	Occlusive thrombi arise in mammals but not birds in response to arterial injury: evolutionary insight into human cardiovascular disease. Blood, 2011, 118, 3661-3669.	1.4	59
47	Loss of PIKFyve Kinase Function Driven by Platelet Factor 4 Promoter Results in Platelet Lysosomal Storage Defects and Infiltration of Multiple Organs with Vacuolated Macrophages. Blood, 2011, 118, 697-697.	1.4	0
48	Diminished contact-dependent reinforcement of Syk activation underlies impaired thrombus growth in mice lacking Semaphorin 4D. Blood, 2010, 116, 5707-5715.	1.4	36
49	RGS/Gi2Î± interactions modulate platelet accumulation and thrombus formation at sites of vascular injury. Blood, 2010, 116, 6092-6100.	1.4	52
50	Discovery of a New Signaling Complex Based on Spinophilin That Regulates Platelet Activation In Vitro and In Vivo. Blood, 2010, 116, 161-161.	1.4	2
51	Development of a Stable Thrombotic Core with Limited Access to Plasma Proteins During Thrombus Formation In Vivo. Blood, 2010, 116, 2013-2013.	1.4	1
52	Disruption of SEMA4D Ameliorates Platelet Hypersensitivity in Dyslipidemia and Confers Protection Against the Development of Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1039-1045.	2.4	58
53	Endothelial cell specific adhesion molecule (ESAM) localizes to plateletâ€“platelet contacts and regulates thrombus formation in vivo. Journal of Thrombosis and Haemostasis, 2009, 7, 1886-1896.	3.8	61
54	Platelet Junctional Adhesion Molecule-A Regulates Thrombosis by Negatively Regulating Outside-in Signaling through Integrin Î±IIbÎ²3.. Blood, 2009, 114, 155-155.	1.4	0

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55	Deletion of the Semaphorin, Sema4D, but Not Inhibition of Sema4D Shedding by ADAM17, Impairs Platelet Function and Reduces Infarct Size After Myocardial Ischemia.. Blood, 2009, 114, 771-771.	1.4	2
56	Platelets Lacking PIP5KIÎ³ Have Impaired Cytoskeletal Dynamics and Adhesion, but No Defect in Integrin Activation.. Blood, 2009, 114, 772-772.	1.4	4
57	Loss of PIP5KIÎ² demonstrates that PIP5KI isoform-specific PIP ₂ synthesis is required for IP ₃ formation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14064-14069.	7.1	47
58	Novel Therapeutic Targets at the Platelet Vascular Interface. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, s43-50.	2.4	42
59	Junctional Adhesion Molecule a Helps Maintain Integrin Î±IIbÎ²3 in Resting State. Blood, 2008, 112, 111-111.	1.4	7
60	Loss of Individual PIP5KI Isoforms Demonstrate That Spatial PIP2 Synthesis Is Required for Platelet Second Messenger Formation & Integrity of the Actin Cytoskeleton. Blood, 2008, 112, 109-109.	1.4	0
61	Regulated surface expression and shedding support a dual role for semaphorin 4D in platelet responses to vascular injury. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1621-1626.	7.1	178
62	Signal Transduction During Platelet Plug Formation. , 2007, , 319-346.		21
63	Hematopoietic lineage cellâ€“specific protein 1 (HS1) is a functionally important signaling molecule in platelet activation. Blood, 2007, 110, 2449-2456.	1.4	25
64	Loss of Sema4D Signaling in Platelets Impairs the Formation and Stability of Arterial Thrombi In Vivo and Reduces Myocardial Infarct Size.. Blood, 2007, 110, 3631-3631.	1.4	1
65	Contact-dependent signaling events that promote thrombus formation. Blood Cells, Molecules, and Diseases, 2006, 36, 157-161.	1.4	21
66	Loss of PIP5KIÎ² Causes a Defect in Lamellipodia Formation and Shear Resistant Adhesion.. Blood, 2006, 108, 141-141.	1.4	12
67	The Calcium-Dependent Protease Calpain Causes Endothelial Dysfunction in Type 2 Diabetes. Diabetes, 2005, 54, 1132-1140.	0.6	77
68	Eph kinases and ephrins support thrombus growth and stability by regulating integrin outside-in signaling in platelets. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9820-9825.	7.1	139
69	Minding the gaps to promote thrombus growth and stability. Journal of Clinical Investigation, 2005, 115, 3385-3392.	8.2	123
70	Inhibition of Rho-Kinase Leads to Rapid Activation of Phosphatidylinositol 3-Kinase/Protein Kinase Akt and Cardiovascular Protection. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, 1842-1847.	2.4	312
71	Boundary Events: Contact-Dependent and Contact-Facilitated Signaling between Platelets. Seminars in Thrombosis and Hemostasis, 2004, 30, 399-410.	2.7	9
72	A novel role for calpains in the endothelial dysfunction of hyperglycemia. FASEB Journal, 2003, 17, 1-19.	0.5	78

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73	Involvement of AMP-Activated Protein Kinase in Glucose Uptake Stimulated by the Globular Domain of Adiponectin in Primary Rat Adipocytes. Diabetes, 2003, 52, 1355-1363.	0.6	416
74	Mechanisms of Amelioration of Glucose-Induced Endothelial Dysfunction Following Inhibition of Protein Kinase C In Vivo. Diabetes, 2002, 51, 1556-1564.	0.6	93
75	Microcirculation as a Target for the Anti-inflammatory Properties of Statins. Microcirculation, 2002, 9, 431-442.	1.8	32
76	Microcirculation as a Target for the Anti-inflammatory Properties of Statins. Microcirculation, 2002, 9, 431-442.	1.8	1
77	Mechanisms of platelet activation. , 2001, , 37-52.		7
78	Elevated ambient glucose induces acute inflammatory events in the microvasculature: effects of insulin. American Journal of Physiology - Endocrinology and Metabolism, 2001, 280, E848-E856.	3.5	90
79	A new HMG-CoA reductase inhibitor, rosuvastatin, exerts anti-inflammatory effects on the microvascular endothelium: the role of mevalonic acid. British Journal of Pharmacology, 2001, 133, 406-412.	5.4	180
80	A NOVEL ROLE FOR THE INDUCIBLE ISOFORM OF NITRIC OXIDE SYNTHASE (iNOS) ON THE ANTI-INFLAMMATORY EFFECT OF STATINS.. Shock, 2001, 15, 94-95.	2.1	0