

# Robert Flaumenhaft

## List of Publications by Year in Descending Order

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**Version:** 2024-04-25

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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.

74  
papers

1,970  
citations

23  
h-index

43  
g-index

92  
ext. papers

2,363  
ext. citations

5.6  
avg, IF

5.34  
L-index

#	Paper	IF	Citations
74	Vasculopathy in COVID-19.. <i>Blood</i> , <b>2022</b> ,	2.2	10
73	PIEZO1 mediates a mechanothrombotic pathway in diabetes.. <i>Science Translational Medicine</i> , <b>2022</b> , 14, eabk1707	17.5	4
72	Calpain-1 inhibition attenuates in vivo thrombosis in a humanized model of sickle cell disease.. <i>Thrombosis Research</i> , <b>2022</b> , 211, 123-126	8.2	
71	Vascular thiol isomerases: Structures, regulatory mechanisms, and inhibitor development. <i>Drug Discovery Today</i> , <b>2021</b> , 27, 626-626	8.8	1
70	Tie2 activation protects against prothrombotic endothelial dysfunction in COVID-19 <b>2021</b> ,		3
69	Microvesicles, but not platelets, bud off from mouse bone marrow megakaryocytes. <i>Blood</i> , <b>2021</b> , 138, 1998-2001	2.2	0
68	Biorthogonal Chemistry Enables Single-Molecule FRET Measurements of Catalytically Active Protein Disulfide Isomerase. <i>ChemBioChem</i> , <b>2021</b> , 22, 134-138	3.8	6
67	Cationic zinc is required for factor XII recruitment and activation by stimulated platelets and for thrombus formation in vivo. <i>Journal of Thrombosis and Haemostasis</i> , <b>2020</b> , 18, 2318-2328	15.4	3
66	VWF maturation and release are controlled by 2 regulators of Weibel-Palade body biogenesis: exocyst and BLOC-2. <i>Blood</i> , <b>2020</b> , 136, 2824-2837	2.2	6
65	The Secreted Tyrosine Kinase Vlk Is Essential for Normal Platelet Activation and Thrombus Formation. <i>Blood</i> , <b>2020</b> , 136, 10-11	2.2	
64	Injury Length and Arteriole Constriction Shape Clot Growth and Blood-Flow Acceleration in a Mouse Model of Thrombosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2020</b> , 40, 2114-2126	9.4	1
63	A polymer-based systemic hemostatic agent. <i>Science Advances</i> , <b>2020</b> , 6, eaba0588	14.3	27
62	Platelet Dysfunction and Thrombosis in JAK2-Mutated Primary Myelofibrotic Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2020</b> , 40, e262-e272	9.4	9
61	Generation of fully functional hepatocyte-like organoids from human induced pluripotent stem cells mixed with Endothelial Cells. <i>Scientific Reports</i> , <b>2019</b> , 9, 8920	4.9	71
60	Does GPIIb/IIIa prove the allosteric disulfide bond hypothesis?. <i>Journal of Thrombosis and Haemostasis</i> , <b>2019</b> , 17, 849-851	15.4	3
59	Assays of Thiol Isomerase Enzymatic Activity. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1967, 133-148	1.4	3
58	Gain-of-function CEBPE mutation causes noncanonical autoinflammatory inflammasomopathy. <i>Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 144, 1364-1376	11.5	20

57	Megakaryocytes package contents into separate $\alpha$ granules that are differentially distributed in platelets. <i>Blood Advances</i> , <b>2019</b> , 3, 3092-3098	7.8	21
56	PAR1 agonists stimulate APC-like endothelial cytoprotection and confer resistance to thromboinflammatory injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E982-E991	11.5	33
55	Molecular basis of rutin inhibition of protein disulfide isomerase (PDI) by combined and experimental methods.. <i>RSC Advances</i> , <b>2018</b> , 8, 18480-18491	3.7	6
54	Tie2 protects the vasculature against thrombus formation in systemic inflammation. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 1471-1484	15.9	49
53	The life cycle of platelet granules. <i>F1000Research</i> , <b>2018</b> , 7, 236	3.6	67
52	Stressed platelets ASK1 for a MAPK. <i>Blood</i> , <b>2017</b> , 129, 1066-1068	2.2	4
51	Targeting PAR1: Now What?. <i>Trends in Pharmacological Sciences</i> , <b>2017</b> , 38, 701-716	13.2	55
50	Advances in vascular thiol isomerase function. <i>Current Opinion in Hematology</i> , <b>2017</b> , 24, 439-445	3.3	12
49	G13 Switch Region 2 Relieves Talin Autoinhibition to Activate $\alpha$ IIb $\beta$ Integrin. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 26598-26612	5.4	10
48	Young platelets out-of-control. <i>Thrombosis and Haemostasis</i> , <b>2016</b> , 116, 780	7	
47	A substrate-driven allosteric switch that enhances PDI catalytic activity. <i>Nature Communications</i> , <b>2016</b> , 7, 12579	17.4	69
46	Vascular thiol isomerases. <i>Blood</i> , <b>2016</b> , 128, 893-901	2.2	50
45	SERCAnavigating calcium signaling in platelets. <i>Blood</i> , <b>2016</b> , 128, 1034-5	2.2	2
44	Inhibition of Protein Disulfide Isomerase in Thrombosis. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2016</b> , 119 Suppl 3, 42-48	3.1	16
43	A specific plasminogen activator inhibitor-1 antagonist derived from inactivated urokinase. <i>Journal of Cellular and Molecular Medicine</i> , <b>2016</b> , 20, 1851-60	5.6	20
42	Therapeutic implications of protein disulfide isomerase inhibition in thrombotic disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 16-23	9.4	58
41	Defective PDI release from platelets and endothelial cells impairs thrombus formation in Hermansky-Pudlak syndrome. <i>Blood</i> , <b>2015</b> , 125, 1633-42	2.2	52
40	VAMP-7 links granule exocytosis to actin reorganization during platelet activation. <i>Blood</i> , <b>2015</b> , 126, 651-60	2.2	40

39	A new story ARC for Egranule formation. <i>Blood</i> , <b>2015</b> , 126, 123-4	2.2	3
38	Thrombus formation reimaged. <i>Blood</i> , <b>2014</b> , 124, 1697-8	2.2	9
37	ML359, a Small Molecule Inhibitor of Protein Disulfide Isomerase That Prevents Thrombus Formation and Inhibits Oxidoreductase but Not Transnitrosylase Activity. <i>Blood</i> , <b>2014</b> , 124, 2880-2880	2.2	2
36	Animal Models of Arterial and Venous Thrombosis. <i>Blood</i> , <b>2014</b> , 124, SCI-2-SCI-2	2.2	1
35	Regulation of Protein Disulfide Isomerase By S-Nitrosylation Controls Its Function during Thrombus Formation. <i>Blood</i> , <b>2014</b> , 124, 93-93	2.2	
34	Self-Deposition of Matrix Proteins from Platelet EGranules Enable Extended Adhesion and Spreading on Micron/Submicron-Scale Fibrinogen and Collagen Substrates.. <i>Blood</i> , <b>2014</b> , 124, 2764-2764 <sup>2.2</sup>		
33	Protein disulfide isomerase as an antithrombotic target. <i>Trends in Cardiovascular Medicine</i> , <b>2013</b> , 23, 264-8	6.9	35
32	Development Of Second Generation Thiol Isomerase Inhibitors To Prevent Thrombus Formation. <i>Blood</i> , <b>2013</b> , 122, 926-926	2.2	2
31	Anticoagulation Inhibits Tumor Cell-Mediated Release Of Platelet Angiogenic Proteins and Disrupts The Platelet Angiogenic Potential. <i>Blood</i> , <b>2013</b> , 122, 2303-2303	2.2	
30	Effects Of Biased PAR1 Ligands On Platelets and Endothelial Cells. <i>Blood</i> , <b>2013</b> , 122, 23-23	2.2	2
29	Granule exocytosis is required for platelet spreading: differential sorting of Egranules expressing VAMP-7. <i>Blood</i> , <b>2012</b> , 120, 199-206	2.2	71
28	Egranules: a story in the making. <i>Blood</i> , <b>2012</b> , 120, 4908-9	2.2	2
27	T granules in human platelets function in TLR9 organization and signaling. <i>Journal of Cell Biology</i> , <b>2012</b> , 198, 561-74	7.3	134
26	Proteomic analysis of palmitoylated platelet proteins. <i>Blood</i> , <b>2011</b> , 118, e62-73	2.2	90
25	Platelet- and megakaryocyte-derived microparticles. <i>Seminars in Thrombosis and Hemostasis</i> , <b>2010</b> , 36, 881-7	5.3	57
24	Proteomic Analysis of Palmitoylated Platelet Proteins. <i>Blood</i> , <b>2010</b> , 116, 2017-2017	2.2	1
23	Localization of VAMP Isoforms In Platelets Reveals Separate Granule Populations with Distinct Functions. <i>Blood</i> , <b>2010</b> , 116, 2015-2015	2.2	
22	A Chemical Genetic Analysis of Platelet Activation Identifies An Antithrombotic Allosteric Modulator That Acts through Helix 8 of Par1. <i>Blood</i> , <b>2010</b> , 116, 483-483	2.2	

21	Identification of a Novel Par1 inhibitor Using a Chemical Genetic Screen. <i>Blood</i> , <b>2010</b> , 116, 2018-2018	2.2	
20	Megakaryocyte-derived microparticles: direct visualization and distinction from platelet-derived microparticles. <i>Blood</i> , <b>2009</b> , 113, 1112-21	2.2	214
19	Endobrevin/VAMP-8-dependent dense granule release mediates thrombus formation in vivo. <i>Blood</i> , <b>2009</b> , 114, 1083-90	2.2	74
18	Getting in shape with RanBP10. <i>Blood</i> , <b>2009</b> , 114, 5412-3	2.2	2
17	Association of oral but not transdermal estrogen therapy with enhanced platelet reactivity in a subset of postmenopausal women. <i>Menopause</i> , <b>2009</b> , 16, 407-12	2.5	7
16	A Chemical Genetic Analysis of Platelet Activation.. <i>Blood</i> , <b>2009</b> , 114, 4009-4009	2.2	
15	Platelet proteoglycans packing it in. <i>Blood</i> , <b>2008</b> , 111, 3308-3309	2.2	78
14	The Platelet Actin Cytoskeleton Associates Directly with Syntaxin-4 and Participates in EGranule Secretion.. <i>Blood</i> , <b>2008</b> , 112, 1839-1839	2.2	
13	Localization and quantification of platelet-rich thrombi in large blood vessels with near-infrared fluorescence imaging. <i>Circulation</i> , <b>2007</b> , 115, 84-93	16.7	50
12	SNAP-23 and syntaxin-2 localize to the extracellular surface of the platelet plasma membrane. <i>Blood</i> , <b>2007</b> , 110, 1492-501	2.2	17
11	Formation and fate of platelet microparticles. <i>Blood Cells, Molecules, and Diseases</i> , <b>2006</b> , 36, 182-7	2.1	112
10	Real-Time Imaging of Platelet-Rich Thrombi in Thick-Walled Blood Vessels Using Near-Infrared Fluorescence Light.. <i>Blood</i> , <b>2006</b> , 108, 383-383	2.2	
9	Protein palmitoylation in signal transduction of hematopoietic cells. <i>Hematology</i> , <b>2005</b> , 10, 511-9	2.2	9
8	The actin cytoskeleton differentially regulates platelet alpha-granule and dense-granule secretion. <i>Blood</i> , <b>2005</b> , 105, 3879-87	2.2	105
7	VPS33B: let there be Egranules. <i>Blood</i> , <b>2005</b> , 106, 4022-4023	2.2	
6	Platelets feel your pain. <i>Blood</i> , <b>2004</b> , 104, 913-913	2.2	1
5	Differential Regulation of EGranule and Dense Granule Secretion by an Actin Cytoskeletal Barrier.. <i>Blood</i> , <b>2004</b> , 104, 3528-3528	2.2	
4	Protein Palmitoylation Participates in PAR1-Mediated Platelet Activation.. <i>Blood</i> , <b>2004</b> , 104, 1560-1560	2.2	

- 3 The platelet as a model for chemical genetics. *Chemistry and Biology*, **2003**, 10, 481-6 11
- 2 Molecular basis of platelet granule secretion. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2003**, 23, 1152-60 9-4 121
- 1 Alpha-granule secretion from alpha-toxin permeabilized, MgATP-exposed platelets is induced independently by H<sup>+</sup> and Ca<sup>2+</sup>. *Journal of Cellular Physiology*, **1999**, 179, 1-10 7 14