

# Johan W M Heemskerk

## List of Publications by Year in descending order

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334  
papers

17,455  
citations

12303

69  
h-index

22102

113  
g-index

341  
all docs

341  
docs citations

341  
times ranked

15461  
citing authors

#	ARTICLE	IF	CITATIONS
1	New Fundamentals in Hemostasis. <i>Physiological Reviews</i> , 2013, 93, 327-358.	13.1	817
2	Platelet biology and functions: new concepts and clinical perspectives. <i>Nature Reviews Cardiology</i> , 2019, 16, 166-179.	6.1	547
3	Glycoprotein VI but not alpha2beta1 integrin is essential for platelet interaction with collagen. <i>EMBO Journal</i> , 2001, 20, 2120-2130.	3.5	461
4	Platelet Activation and Blood Coagulation. <i>Thrombosis and Haemostasis</i> , 2002, 88, 186-193.	1.8	460
5	Comprehensive Rare Variant Analysis via Whole-Genome Sequencing to Determine the Molecular Pathology of Inherited Retinal Disease. <i>American Journal of Human Genetics</i> , 2017, 100, 75-90.	2.6	343
6	Platelet-based coagulation: different populations, different functions. <i>Journal of Thrombosis and Haemostasis</i> , 2013, 11, 2-16.	1.9	277
7	Platelet CD40L mediates thrombotic and inflammatory processes in atherosclerosis. <i>Blood</i> , 2010, 116, 4317-4327.	0.6	249
8	Atherosclerotic geometries exacerbate pathological thrombus formation poststenosis in a von Willebrand factor-dependent manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1357-1362.	3.3	240
9	Nebivolol: A Third-Generation Î²-Blocker That Augments Vascular Nitric Oxide Release. <i>Circulation</i> , 2000, 102, 677-684.	1.6	236
10	Collagen But Not Fibrinogen Surfaces Induce Bleb Formation, Exposure of Phosphatidylserine, and Procoagulant Activity of Adherent Platelets: Evidence for Regulation by Protein Tyrosine Kinase-Dependent Ca <sup>2+</sup> Responses. <i>Blood</i> , 1997, 90, 2615-2625.	0.6	235
11	Platelet activation and blood coagulation. <i>Thrombosis and Haemostasis</i> , 2002, 88, 186-93.	1.8	200
12	Platelet Inhibition by Insulin Is Absent in Type 2 Diabetes Mellitus. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 417-422.	1.1	191
13	Identification of platelet function defects by multi-parameter assessment of thrombus formation. <i>Nature Communications</i> , 2014, 5, 4257.	5.8	191
14	The quercetin paradox. <i>Toxicology and Applied Pharmacology</i> , 2007, 222, 89-96.	1.3	188
15	Dual role of collagen in factor XII-dependent thrombus formation. <i>Blood</i> , 2009, 114, 881-890.	0.6	186
16	Platelet receptor interplay regulates collagen-induced thrombus formation in flowing human blood. <i>Blood</i> , 2004, 103, 1333-1341.	0.6	175
17	Impaired Î± <sub>IIb</sub> Î² <sub>3</sub> Integrin Activation and Shear-Dependent Thrombus Formation in Mice Lacking Phospholipase D1. <i>Science Signaling</i> , 2010, 3, ra1.	1.6	175
18	A high-throughput sequencing test for diagnosing inherited bleeding, thrombotic, and platelet disorders. <i>Blood</i> , 2016, 127, 2791-2803.	0.6	157

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19	Optical and Magnetic Resonance Imaging of Cell Death and Platelet Activation Using Annexin A5-Functionalized Quantum Dots. <i>Nano Letters</i> , 2007, 7, 93-100.	4.5	149
20	Whole-genome sequencing of a sporadic primary immunodeficiency cohort. <i>Nature</i> , 2020, 583, 90-95.	13.7	148
21	Continuous signaling via PI3K isoforms $\hat{1}^2$ and $\hat{1}^3$ is required for platelet ADP receptor function in dynamic thrombus stabilization. <i>Blood</i> , 2006, 108, 3045-3052.	0.6	145
22	Coordinated Membrane Ballooning and Procoagulant Spreading in Human Platelets. <i>Circulation</i> , 2015, 132, 1414-1424.	1.6	139
23	Segregation of Platelet Aggregatory and Procoagulant Microdomains in Thrombus Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 2484-2490.	1.1	137
24	Complementary roles of platelet glycoprotein VI and integrin $\hat{1}^2\hat{1}^1$ in collagen-induced thrombus formation in flowing whole blood ex vivo. <i>FASEB Journal</i> , 2003, 17, 685-687.	0.2	136
25	PKC $\hat{1}$ regulates platelet granule secretion and thrombus formation in mice. <i>Journal of Clinical Investigation</i> , 2009, 119, 399-407.	3.9	136
26	Shedding of procoagulant microparticles from unstimulated platelets by integrin-mediated destabilization of actin cytoskeleton. <i>FEBS Letters</i> , 2006, 580, 5313-5320.	1.3	132
27	Initiating and potentiating role of platelets in tissue factor-induced thrombin generation in the presence of plasma: subject-dependent variation in thrombogram characteristics. <i>Journal of Thrombosis and Haemostasis</i> , 2004, 2, 476-484.	1.9	128
28	Measurement of whole blood thrombus formation using parallel-plate flow chambers – a practical guide. <i>Platelets</i> , 2012, 23, 229-242.	1.1	127
29	Integrating platelet and coagulation activation in fibrin clot formation. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2018, 2, 450-460.	1.0	122
30	Overexpression of the platelet P2X1 ion channel in transgenic mice generates a novel prothrombotic phenotype. <i>Blood</i> , 2003, 101, 3969-3976.	0.6	121
31	Chemokine interactome mapping enables tailored intervention in acute and chronic inflammation. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	121
32	Platelet Adhesion Enhances the Glycoprotein VI-Dependent Procoagulant Response. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 618-627.	1.1	120
33	Platelet response heterogeneity in thrombus formation. <i>Thrombosis and Haemostasis</i> , 2009, 102, 1149-1156.	1.8	117
34	Platelet interaction with activated endothelium: mechanistic insights from microfluidics. <i>Blood</i> , 2017, 130, 2819-2828.	0.6	117
35	Mildly Oxidized Low Density Lipoprotein Induces Contraction of Human Endothelial Cells through Activation of Rho/Rho Kinase and Inhibition of Myosin Light Chain Phosphatase. <i>Journal of Biological Chemistry</i> , 1999, 274, 30361-30364.	1.6	113
36	Adhesion of human and mouse platelets to collagen under shear: a unifying model. <i>FASEB Journal</i> , 2005, 19, 1-22.	0.2	113

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37	Microparticles from apoptotic platelets promote resident macrophage differentiation. <i>Cell Death and Disease</i> , 2011, 2, e211-e211.	2.7	113
38	Non-redundant Roles of Phosphoinositide 3-Kinase Isoforms $\hat{1}\pm$ and $\hat{1}^2$ in Glycoprotein VI-induced Platelet Signaling and Thrombus Formation. <i>Journal of Biological Chemistry</i> , 2009, 284, 33750-33762.	1.6	110
39	Factor XII Regulates the Pathological Process of Thrombus Formation on Ruptured Plaques. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1674-1680.	1.1	108
40	Calcium Signalling in Platelets and Other Cells. <i>Platelets</i> , 1994, 5, 295-316.	1.1	104
41	Roles of Platelet STIM1 and Orai1 in Glycoprotein VI- and Thrombin-dependent Procoagulant Activity and Thrombus Formation. <i>Journal of Biological Chemistry</i> , 2010, 285, 23629-23638.	1.6	100
42	Complementary roles of platelets and coagulation in thrombus formation on plaques acutely ruptured by targeted ultrasound treatment: a novel intravital model. <i>Journal of Thrombosis and Haemostasis</i> , 2009, 7, 152-161.	1.9	98
43	What Can Proteomics Tell Us About Platelets?. <i>Circulation Research</i> , 2014, 114, 1204-1219.	2.0	97
44	Temporal quantitative phosphoproteomics of ADP stimulation reveals novel central nodes in platelet activation and inhibition. <i>Blood</i> , 2017, 129, e1-e12.	0.6	97
45	Functional Divergence of Platelet Protein Kinase C (PKC) Isoforms in Thrombus Formation on Collagen. <i>Journal of Biological Chemistry</i> , 2010, 285, 23410-23419.	1.6	96
46	Dual Mechanism of Integrin $\hat{1}\pm$ IIb $\hat{1}^3$ Closure in Procoagulant Platelets. <i>Journal of Biological Chemistry</i> , 2013, 288, 13325-13336.	1.6	96
47	Calcium influx evoked by Ca <sup>2+</sup> store depletion in human platelets is more susceptible to cytochrome P-450 inhibitors than receptor-mediated calcium entry. <i>Cell Calcium</i> , 1992, 13, 553-564.	1.1	95
48	Both TMEM16F-dependent and TMEM16F-independent pathways contribute to phosphatidylserine exposure in platelet apoptosis and platelet activation. <i>Blood</i> , 2013, 121, 1850-1857.	0.6	95
49	Variable Hypocoagulant Effect of Fish Oil Intake in Humans. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, 1734-1740.	1.1	94
50	Plasminogen associates with phosphatidylserine-exposing platelets and contributes to thrombus lysis under flow. <i>Blood</i> , 2015, 125, 2568-2578.	0.6	94
51	Molecular functions of anoctamin 6 (TMEM16F): a chloride channel, cation channel, or phospholipid scramblase?. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 407-414.	1.3	93
52	Platelet CD40 Exacerbates Atherosclerosis by Transcellular Activation of Endothelial Cells and Leukocytes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 482-490.	1.1	90
53	The effects of arterial flow on platelet activation, thrombus growth, and stabilization. <i>Cardiovascular Research</i> , 2013, 99, 342-352.	1.8	89
54	Platelet P2Y <sub>12</sub> receptors enhance signalling towards procoagulant activity and thrombin generation. <i>Thrombosis and Haemostasis</i> , 2005, 93, 1128-1136.	1.8	88

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55	Potentiating role of Gas6 and Tyro3, Axl and Mer (TAM) receptors in human and murine platelet activation and thrombus stabilization. <i>Journal of Thrombosis and Haemostasis</i> , 2010, 8, 1797-1808.	1.9	88
56	Principal Role of Glycoprotein VI in $\alpha$ IIb $\beta$ 3 Activation During Collagen-Induced Thrombus Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, 1727-1733.	1.1	86
57	The Ca <sup>2+</sup> -Mobilizing Potency of alpha-Thrombin and Thrombin-Receptor-Activating Peptide on Human Platelets. Concentration and Time Effects of Thrombin-Induced Ca <sup>2+</sup> Signaling. <i>FEBS Journal</i> , 1997, 249, 547-555.	0.2	85
58	Recombinant factor VIIa enhances platelet adhesion and activation under flow conditions at normal and reduced platelet count. <i>Journal of Thrombosis and Haemostasis</i> , 2005, 3, 742-751.	1.9	83
59	The Glycoprotein VI-Phospholipase C $\beta$ 2 Signaling Pathway Controls Thrombus Formation Induced by Collagen and Tissue Factor In Vitro and In Vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 2673-2678.	1.1	82
60	Platelet extracellular vesicles induce a proinflammatory smooth muscle cell phenotype. <i>Journal of Extracellular Vesicles</i> , 2017, 6, 1322454.	5.5	81
61	Multiple ways to switch platelet integrins on and off. <i>Journal of Thrombosis and Haemostasis</i> , 2008, 6, 1253-1261.	1.9	80
62	The CD40-TRAF6 axis is the key regulator of the CD40/CD40L system in neointima formation and arterial remodeling. <i>Blood</i> , 2008, 111, 4596-4604.	0.6	80
63	$\alpha$ 2A-Adrenergic Receptor Stimulation Potentiates Calcium Release in Platelets by Modulating cAMP Levels. <i>Journal of Biological Chemistry</i> , 2000, 275, 1763-1772.	1.6	79
64	Synergistic Effect of Thrombin on Collagen-Induced Platelet Procoagulant Activity Is Mediated Through Protease-Activated Receptor-1. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 1499-1505.	1.1	78
65	Contribution of Platelet CX <sub>3</sub> CR1 to Platelet-Monocyte Complex Formation and Vascular Recruitment During Hyperlipidemia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1186-1193.	1.1	76
66	Flow chamber-based assays to measure thrombus formation in vitro: requirements for standardization. <i>Journal of Thrombosis and Haemostasis</i> , 2011, 9, 2322-2324.	1.9	74
67	Insights into platelet-based control of coagulation. <i>Thrombosis Research</i> , 2014, 133, S139-S148.	0.8	73
68	Contribution of platelet glycoprotein VI to the thrombogenic effect of collagens in fibrous atherosclerotic lesions. <i>Atherosclerosis</i> , 2005, 181, 19-27.	0.4	72
69	Impaired thrombin generation and fibrin clot formation in patients with dilutional coagulopathy during major surgery. <i>Thrombosis and Haemostasis</i> , 2010, 103, 318-328.	1.8	72
70	Ragged spiking of free calcium in ADP-stimulated human platelets: regulation of puff-like calcium signals in vitro and ex vivo. <i>Journal of Physiology</i> , 2001, 535, 625-635.	1.3	70
71	High-throughput elucidation of thrombus formation reveals sources of platelet function variability. <i>Haematologica</i> , 2019, 104, 1256-1267.	1.7	70
72	Spatial Distribution of Factor Xa, Thrombin, and Fibrin(ogen) on Thrombi at Venous Shear. <i>PLoS ONE</i> , 2010, 5, e10415.	1.1	69

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73	Fish Oil Consumption and Reduction of Arterial Disease. <i>Journal of Nutrition</i> , 2003, 133, 657-660.	1.3	68
74	Control of platelet activation by cyclic AMP turnover and cyclic nucleotide phosphodiesterase type-3. <i>Biochemical Pharmacology</i> , 2004, 67, 1559-1567.	2.0	68
75	Expression of transient receptor potential mRNA isoforms and Ca <sup>2+</sup> influx in differentiating human stem cells and platelets. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2001, 1539, 243-255.	1.9	67
76	In Vivo Blockade of Platelet ADP Receptor P2Y <sub>12</sub> Reduces Embolus and Thrombus Formation but Not Thrombus Stability. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003, 23, 518-523.	1.1	67
77	Biosynthesis of Digalactosyldiacylglycerol in Plastids from 16:3 and 18:3 Plants. <i>Plant Physiology</i> , 1990, 93, 1286-1294.	2.3	66
78	Function of Glycoprotein VI and Integrin $\alpha_2\beta_1$ in the Procoagulant Response of Single, Collagen-Adherent Platelets. <i>Thrombosis and Haemostasis</i> , 1999, 81, 782-792.	1.8	66
79	Hemostatic and Signaling Functions of Transfused Platelets. <i>Transfusion Medicine Reviews</i> , 2007, 21, 287-294.	0.9	66
80	Key role of glycoprotein Ib/V/IX and von Willebrand factor in platelet activation-dependent fibrin formation at low shear flow. <i>Blood</i> , 2011, 117, 651-660.	0.6	62
81	Store-mediated calcium entry in the regulation of phosphatidylserine exposure in blood cells from Scott patients. <i>Thrombosis and Haemostasis</i> , 2003, 89, 687-695.	1.8	61
82	Decreased responsiveness and development of activation markers of PLTs stored in plasma. <i>Transfusion</i> , 2004, 44, 49-58.	0.8	61
83	Molecular MRI of Early Thrombus Formation Using a Bimodal $\alpha_2$ -Antiplasmin-Based Contrast Agent. <i>JACC: Cardiovascular Imaging</i> , 2009, 2, 987-996.	2.3	60
84	Spiking in cytosolic calcium concentration in single fibrinogen-bound fura-2-loaded human platelets. <i>Biochemical Journal</i> , 1992, 283, 379-383.	1.7	59
85	The roles of P2X <sub>1</sub> and P2T <sub>2</sub> A <sub>2</sub> receptors in ADP-evoked calcium signalling in human platelets. <i>Cell Calcium</i> , 2000, 28, 119-126.	1.1	59
86	Key Role of Platelet Procoagulant Activity in Tissue Factor- and Collagen-Dependent Thrombus Formation in Arterioles and Venules In Vivo Differential Sensitivity to Thrombin Inhibition. <i>Microcirculation</i> , 2008, 15, 269-282.	1.0	59
87	Supporting Roles of Platelet Thrombospondin-1 and CD36 in Thrombus Formation on Collagen. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1187-1192.	1.1	59
88	Platelet populations and priming in hematological diseases. <i>Blood Reviews</i> , 2017, 31, 389-399.	2.8	59
89	Signaling role of CD36 in platelet activation and thrombus formation on immobilized thrombospondin or oxidized low-density lipoprotein. <i>Journal of Thrombosis and Haemostasis</i> , 2011, 9, 1835-1846.	1.9	58
90	CD36 as a Multiple-Ligand Signaling Receptor in Atherothrombosis. <i>Cardiovascular and Hematological Agents in Medicinal Chemistry</i> , 2011, 9, 42-55.	0.4	58

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91	Real-Time Detection of Activation Patterns in Individual Platelets during Thromboembolism in vivo: Differences between Thrombus Growth and Embolus Formation. <i>Journal of Vascular Research</i> , 2002, 39, 534-543.	0.6	57
92	Calcium-activated and apoptotic phospholipid scrambling induced by Ano6 can occur independently of Ano6 ion currents. <i>Cell Death and Disease</i> , 2013, 4, e611-e611.	2.7	57
93	Coated platelets function in platelet-dependent fibrin formation via integrin $\alpha$ <sub>IIb</sub> $\beta$ <sub>3</sub> and transglutaminase factor XIII. <i>Haematologica</i> , 2016, 101, 427-436.	1.7	57
94	AMPK-ACC signaling modulates platelet phospholipids and potentiates thrombus formation. <i>Blood</i> , 2018, 132, 1180-1192.	0.6	57
95	Platelet Collagen Receptors and Coagulation. A Characteristic Platelet Response as Possible Target for Antithrombotic Treatment. <i>Trends in Cardiovascular Medicine</i> , 2005, 15, 86-92.	2.3	56
96	Reversal of Hypoxia in Murine Atherosclerosis Prevents Necrotic Core Expansion by Enhancing Efferocytosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2545-2553.	1.1	56
97	Acid Sphingomyelinase Regulates Platelet Cell Membrane Scrambling, Secretion, and Thrombus Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 61-71.	1.1	56
98	Store-operated calcium entry in thrombosis and thrombo-inflammation. <i>Cell Calcium</i> , 2019, 77, 39-48.	1.1	55
99	Dual Role of Platelet Protein Kinase C in Thrombus Formation. <i>Journal of Biological Chemistry</i> , 2007, 282, 7046-7055.	1.6	54
100	Increased thrombin generation and fibrinogen level after therapeutic plasma transfusion: Relation to bleeding. <i>Thrombosis and Haemostasis</i> , 2008, 99, 64-70.	1.8	53
101	Platelet Control of Fibrin Distribution and Microelasticity in Thrombus Formation Under Flow. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 692-699.	1.1	53
102	Role of the chloroplast in the leaf acyl-lipid synthesis. <i>Physiologia Plantarum</i> , 1987, 70, 558-568.	2.6	52
103	Combined Quantification of the Global Proteome, Phosphoproteome, and Proteolytic Cleavage to Characterize Altered Platelet Functions in the Human Scott Syndrome. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 3154-3169.	2.5	52
104	Survival protein anoctamin 6 controls multiple platelet responses including phospholipid scrambling, swelling, and protein cleavage. <i>FASEB Journal</i> , 2016, 30, 727-737.	0.2	52
105	Platelet ADP response deteriorates in synthetic storage media. <i>Transfusion</i> , 2006, 46, 204-212.	0.8	51
106	Platelet function is modified by common sequence variation in megakaryocyte super enhancers. <i>Nature Communications</i> , 2017, 8, 16058.	5.8	50
107	The Microbiota Promotes Arterial Thrombosis in Low-Density Lipoprotein Receptor-Deficient Mice. <i>MBio</i> , 2019, 10, .	1.8	50
108	Protein kinase C mediates platelet secretion and thrombus formation through protein kinase D2. <i>Blood</i> , 2011, 118, 416-424.	0.6	49



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109	Monitoring <i>in vitro</i> thrombus formation with novel microfluidic devices. <i>Platelets</i> , 2012, 23, 501-509.	1.1	48
110	Telomerecat: A ploidy-agnostic method for estimating telomere length from whole genome sequencing data. <i>Scientific Reports</i> , 2018, 8, 1300.	1.6	48
111	Factor XI Regulates Pathological Thrombus Formation on Acutely Ruptured Atherosclerotic Plaques. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1668-1673.	1.1	47
112	Peroxide-induced membrane blebbing in endothelial cells associated with glutathione oxidation but not apoptosis. <i>American Journal of Physiology - Cell Physiology</i> , 1999, 277, C20-C28.	2.1	46
113	Flow-based assays for global assessment of hemostasis. Part 2: current methods and considerations for the future. <i>Journal of Thrombosis and Haemostasis</i> , 2006, 4, 2716-2717.	1.9	46
114	Effects of plasma dilution on tissue factor-induced thrombin generation and thromboelastography: partly compensating role of platelets. <i>Transfusion</i> , 2008, 48, 2384-2394.	0.8	46
115	Comprehensive Cancer-Predisposition Gene Testing in an Adult Multiple Primary Tumor Series Shows a Broad Range of Deleterious Variants and Atypical Tumor Phenotypes. <i>American Journal of Human Genetics</i> , 2018, 103, 3-18.	2.6	46
116	Flow-based assays for global assessment of hemostasis. Part 1: biorheologic considerations. <i>Journal of Thrombosis and Haemostasis</i> , 2006, 4, 2486-2487.	1.9	45
117	Perioperative dilutional coagulopathy treated with fresh frozen plasma and fibrinogen concentrate: a prospective randomized intervention trial. <i>Vox Sanguinis</i> , 2012, 103, 25-34.	0.7	45
118	Rate-limiting roles of the tenase complex of factors VIII and IX in platelet procoagulant activity and formation of platelet-fibrin thrombi under flow. <i>Haematologica</i> , 2015, 100, 748-756.	1.7	45
119	TMEM16F-Mediated Platelet Membrane Phospholipid Scrambling Is Critical for Hemostasis and Thrombosis but not Thromboinflammation in Mice—Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 2152-2157.	1.1	45
120	Platelet heterogeneity in activation-induced glycoprotein shedding: functional effects. <i>Blood Advances</i> , 2018, 2, 2320-2331.	2.5	45
121	Bi-allelic Loss-of-Function CACNA1B Mutations in Progressive Epilepsy-Dyskinesia. <i>American Journal of Human Genetics</i> , 2019, 104, 948-956.	2.6	45
122	Atheroprotective effect of dietary walnut intake in ApoE-deficient mice: Involvement of lipids and coagulation factors. <i>Thrombosis Research</i> , 2013, 131, 411-417.	0.8	44
123	Indirect regulation of Ca <sup>2+</sup> entry by cAMP-dependent and cGMP-dependent protein kinases and phospholipase C in rat platelets. <i>FEBS Journal</i> , 1994, 223, 543-551.	0.2	43
124	Activation of $\alpha$ IIb $\beta$ 3 is a sufficient but also an imperative prerequisite for activation of $\alpha$ 2 $\beta$ 1 on platelets. <i>Blood</i> , 2007, 109, 595-602.	0.6	43
125	Dual P2Y <sub>12</sub> receptor signaling in thrombin-stimulated platelets— $\alpha$ involvement of phosphoinositide 3-kinase $\beta$ but not $\gamma$ isoform in Ca <sup>2+</sup> mobilization and procoagulant activity. <i>FEBS Journal</i> , 2008, 275, 371-385.	1.7	43
126	Targeting platelet receptor function in thrombus formation: The risk of bleeding. <i>Blood Reviews</i> , 2014, 28, 9-21.	2.8	43



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127	Receptors and signalling mechanisms in the procoagulant response of platelets. <i>Platelets</i> , 2000, 11, 301-306.	1.1	42
128	Stabilizing Role of Platelet P2Y12 Receptors in Shear-Dependent Thrombus Formation on Ruptured Plaques. <i>PLoS ONE</i> , 2010, 5, e10130.	1.1	42
129	Dual-Specificity Phosphatase 3 Deficiency or Inhibition Limits Platelet Activation and Arterial Thrombosis. <i>Circulation</i> , 2015, 131, 656-668.	1.6	42
130	Chronic arthritis and cardiovascular disease: Altered blood parameters give rise to a prothrombotic propensity. <i>Seminars in Arthritis and Rheumatism</i> , 2014, 44, 345-352.	1.6	41
131	Factor Xa and thrombin evoke additive calcium and proinflammatory responses in endothelial cells subjected to coagulation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006, 1763, 860-869.	1.9	40
132	Platelets and Platelet-Derived Microparticles in Vascular Inflammatory Disease. <i>Inflammation and Allergy: Drug Targets</i> , 2010, 9, 346-354.	1.8	40
133	Antithrombotic Potential of Blockers of Store-Operated Calcium Channels in Platelets. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1717-1723.	1.1	40
134	Platelet-derived MIF: A novel platelet chemokine with distinct recruitment properties. <i>Atherosclerosis</i> , 2015, 239, 1-10.	0.4	40
135	Assessment of a complete and classified platelet proteome from genome-wide transcripts of human platelets and megakaryocytes covering platelet functions. <i>Scientific Reports</i> , 2021, 11, 12358.	1.6	40
136	Thapsigargin Amplifies the Platelet Procoagulant Response Caused by Thrombin. <i>Thrombosis and Haemostasis</i> , 1993, 70, 1024-1029.	1.8	40
137	Localization of galactolipid: galactolipid galactosyltransferase and acyltransferase in outer envelope membrane of spinach chloroplasts. <i>Lipids and Lipid Metabolism</i> , 1986, 877, 281-289.	2.6	39
138	Both ADP and Thrombin Regulate Arteriolar Thrombus Stabilization and Embolization, but Are Not Involved in Initial Hemostasis as Induced by Micropuncture. <i>Microcirculation</i> , 2007, 14, 193-205.	1.0	39
139	Collagen surfaces to measure thrombus formation under flow: possibilities for standardization. <i>Journal of Thrombosis and Haemostasis</i> , 2011, 9, 856-858.	1.9	39
140	Cell-specific and divergent roles of the CD40L-CD40 axis in atherosclerotic vascular disease. <i>Nature Communications</i> , 2021, 12, 3754.	5.8	39
141	Platelet calcium signaling by G-protein coupled and ITAM-linked receptors regulating anoctamin-6 and procoagulant activity. <i>Platelets</i> , 2021, 32, 863-871.	1.1	39
142	Thrombin-dependent Incorporation of von Willebrand Factor into a Fibrin Network. <i>Journal of Biological Chemistry</i> , 2014, 289, 35979-35986.	1.6	38
143	Inhibitory mechanisms of very low-dose rivaroxaban in non-ST-elevation myocardial infarction. <i>Blood Advances</i> , 2018, 2, 715-730.	2.5	38
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