

# Judith M E M Cosemans

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

3,860  
citations

87888

38  
h-index

123424

61  
g-index

72  
all docs

72  
docs citations

72  
times ranked

4152  
citing authors

#	ARTICLE	IF	CITATIONS
1	Platelet-derived MMP-2 in the prevention of plaque formation: how many strokes is par?. <i>European Heart Journal</i> , 2022, 43, 515-517.	2.2	2
2	Characterization of Atherosclerotic Plaque Coating for Thrombosis Microfluidics Assays. <i>Cellular and Molecular Bioengineering</i> , 2022, 15, 55-65.	2.1	3
3	Characterization of cerebral small vessel disease by neutrophil and platelet activation markers using artificial intelligence. <i>Journal of Neuroimmunology</i> , 2022, 367, 577863.	2.3	6
4	The effect of Bruton's tyrosine kinase inhibitor ibrutinib on atherothrombus formation under stenotic flow conditions. <i>Thrombosis Research</i> , 2022, 212, 72-80.	1.7	5
5	Finding the "switch" in platelet activation: prediction of key mediators involved in reversal of platelet activation using a novel network biology approach. <i>Journal of Proteomics</i> , 2022, 261, 104577.	2.4	3
6	In vitro flow-based assay: From simple toward more sophisticated models for mimicking hemostasis and thrombosis. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 582-587.	3.8	14
7	The multifaceted contribution of platelets in the emergence and aftermath of acute cardiovascular events. <i>Atherosclerosis</i> , 2021, 319, 132-141.	0.8	25
8	Comparison of inhibitory effects of irreversible and reversible Btk inhibitors on platelet function. <i>EJHaem</i> , 2021, 2, 685-699.	1.0	8
9	Inhibition of Phosphodiesterase 3A by Cilostazol Dampens Proinflammatory Platelet Functions. <i>Cells</i> , 2021, 10, 1998.	4.1	6
10	Wall shear rates in human and mouse arteries: Standardization of hemodynamics for in vitro blood flow assays: Communication from the ISTH SSC subcommittee on biorheology. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 588-595.	3.8	27
11	Combined Antiplatelet Therapy Reduces the Proinflammatory Properties of Activated Platelets. <i>TH Open</i> , 2021, 05, e533-e542.	1.4	5
12	Native, Intact Glucagon-Like Peptide 1 Is a Natural Suppressor of Thrombus Growth Under Physiological Flow Conditions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, e65-e77.	2.4	14
13	Complementary roles of platelet $\alpha$ IIb $\beta$ 3 integrin, phosphatidylserine exposure and cytoskeletal rearrangement in the release of extracellular vesicles. <i>Atherosclerosis</i> , 2020, 310, 17-25.	0.8	12
14	Vascular protective effect of aspirin and rivaroxaban upon endothelial denudation of the mouse carotid artery. <i>Scientific Reports</i> , 2020, 10, 19360.	3.3	4
15	Atherosclerotic plaque injury-mediated murine thrombosis models: advantages and limitations. <i>Platelets</i> , 2020, 31, 439-446.	2.3	6
16	SLC44A2 deficient mice have a reduced response in stenosis but not in hypercoagulability driven venous thrombosis. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 1714-1727.	3.8	18
17	Impact of Deficiency of Intrinsic Coagulation Factors XI and XII on Ex Vivo Thrombus Formation and Clot Lysis. <i>TH Open</i> , 2019, 03, e273-e285.	1.4	7
18	Suppressive Role of Tissue Factor Pathway Inhibitor-1 in Platelet-Dependent Fibrin Formation under Flow Is Restricted to Low Procoagulant Strength. <i>Thrombosis and Haemostasis</i> , 2018, 118, 502-513.	3.4	14

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19	Variable impairment of platelet functions in patients with severe, genetically linked immune deficiencies. <i>Haematologica</i> , 2018, 103, 540-549.	3.5	36
20	At the MERcy of platelet primers. <i>Journal of Thrombosis and Haemostasis</i> , 2018, 16, 349-351.	3.8	0
21	A synthesis approach of mouse studies to identify genes and proteins in arterial thrombosis and bleeding. <i>Blood</i> , 2018, 132, e35-e46.	1.4	29
22	Platelets and Coagulation. , 2017, , 447-462.		4
23	Platelet interaction with activated endothelium: mechanistic insights from microfluidics. <i>Blood</i> , 2017, 130, 2819-2828.	1.4	117
24	Dimensional analysis and scaling relevant to flow models of thrombus formation: communication from the SSC of the ISTH. <i>Journal of Thrombosis and Haemostasis</i> , 2016, 14, 619-622.	3.8	27
25	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.	3.8	52
26	Coated platelets function in platelet-dependent fibrin formation via integrin $\alpha$ IIb $\beta$ 3 and transglutaminase factor XIII. <i>Haematologica</i> , 2016, 101, 427-436.	3.5	57
27	Platelet Control of Fibrin Distribution and Microelasticity in Thrombus Formation Under Flow. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 692-699.	2.4	53
28	Survival protein anoctamin6 controls multiple platelet responses including phospholipid scrambling, swelling, and protein cleavage. <i>FASEB Journal</i> , 2016, 30, 727-737.	0.5	52
29	Acute and persistent platelet and coagulant activities in atherothrombosis. <i>Journal of Thrombosis and Haemostasis</i> , 2015, 13, S272-S280.	3.8	31
30	Hyperreactivity of Junctional Adhesion Molecule A-Deficient Platelets Accelerates Atherosclerosis in Hyperlipidemic Mice. <i>Circulation Research</i> , 2015, 116, 587-599.	4.5	67
31	Platelet-Associated Matrix Metalloproteinases Regulate Thrombus Formation and Exert Local Collagenolytic Activity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 2554-2561.	2.4	38
32	Normal Platelet Activation Profile in Patients with Peripheral Arterial Disease on Aspirin. <i>Thrombosis Research</i> , 2015, 135, 513-520.	1.7	21
33	Platelet CD40L Modulates Thrombus Growth Via Phosphatidylinositol 3-Kinase $\beta$ , and Not Via CD40 and $\alpha$ IIb $\beta$ 3 Kinase $\alpha$ . <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1374-1381.	2.4	31
34	Coordinated Membrane Ballooning and Procoagulant Spreading in Human Platelets. <i>Circulation</i> , 2015, 132, 1414-1424.	1.6	139
35	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.	3.4	41
36	Supporting Roles of Platelet Thrombospondin-1 and CD36 in Thrombus Formation on Collagen. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1187-1192.	2.4	59

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37	Acid Sphingomyelinase Regulates Platelet Cell Membrane Scrambling, Secretion, and Thrombus Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 61-71.	2.4	56
38	Factor XII Regulates the Pathological Process of Thrombus Formation on Ruptured Plaques. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1674-1680.	2.4	108
39	Identification of platelet function defects by multi-parameter assessment of thrombus formation. <i>Nature Communications</i> , 2014, 5, 4257.	12.8	191
40	Insights into platelet-based control of coagulation. <i>Thrombosis Research</i> , 2014, 133, S139-S148.	1.7	73
41	The effects of arterial flow on platelet activation, thrombus growth, and stabilization. <i>Cardiovascular Research</i> , 2013, 99, 342-352.	3.8	89
42	Atheroprotective effect of dietary walnut intake in ApoE-deficient mice: Involvement of lipids and coagulation factors. <i>Thrombosis Research</i> , 2013, 131, 411-417.	1.7	44
43	Platelet-based coagulation: different populations, different functions. <i>Journal of Thrombosis and Haemostasis</i> , 2013, 11, 2-16.	3.8	277
44	Distinct Role of von Willebrand Factor Triplet Bands in Glycoprotein Ib-Dependent Platelet Adhesion and Thrombus Formation under Flow. <i>Seminars in Thrombosis and Hemostasis</i> , 2013, 39, 306-314.	2.7	11
45	Dual Mechanism of Integrin $\alpha$ IIb $\beta$ 3 Closure in Procoagulant Platelets. <i>Journal of Biological Chemistry</i> , 2013, 288, 13325-13336.	3.4	96
46	Measurement of whole blood thrombus formation using parallel-plate flow chambers – a practical guide. <i>Platelets</i> , 2012, 23, 229-242.	2.3	127
47	Monitoring <i>in vitro</i> thrombus formation with novel microfluidic devices. <i>Platelets</i> , 2012, 23, 501-509.	2.3	48
48	Key role of glycoprotein Ib/VI and von Willebrand factor in platelet activation-dependent fibrin formation at low shear flow. <i>Blood</i> , 2011, 117, 651-660.	1.4	62
49	Protein kinase C mediates platelet secretion and thrombus formation through protein kinase D2. <i>Blood</i> , 2011, 118, 416-424.	1.4	49
50	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.	3.8	58
51	Unravelling the different functions of protein kinase C isoforms in platelets. <i>FEBS Letters</i> , 2011, 585, 1711-1716.	2.8	27
52	CD36 as a Multiple-Ligand Signaling Receptor in Atherothrombosis. <i>Cardiovascular and Hematological Agents in Medicinal Chemistry</i> , 2011, 9, 42-55.	1.0	58
53	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.	3.8	88
54	Stabilizing Role of Platelet P2Y12 Receptors in Shear-Dependent Thrombus Formation on Ruptured Plaques. <i>PLoS ONE</i> , 2010, 5, e10130.	2.5	42

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55	Spatial Distribution of Factor Xa, Thrombin, and Fibrin(ogen) on Thrombi at Venous Shear. PLoS ONE, 2010, 5, e10415.	2.5	69
56	Functional Divergence of Platelet Protein Kinase C (PKC) Isoforms in Thrombus Formation on Collagen. Journal of Biological Chemistry, 2010, 285, 23410-23419.	3.4	96
57	Non-redundant Roles of Phosphoinositide 3-Kinase Isoforms $\hat{1}$ and $\hat{2}$ in Glycoprotein VI-induced Platelet Signaling and Thrombus Formation. Journal of Biological Chemistry, 2009, 284, 33750-33762.	3.4	110
58	Platelet response heterogeneity in thrombus formation. Thrombosis and Haemostasis, 2009, 102, 1149-1156.	3.4	117
59	Dual role of collagen in factor XII-dependent thrombus formation. Blood, 2009, 114, 881-890.	1.4	186
60	PKC $\hat{1}$ regulates platelet granule secretion and thrombus formation in mice. Journal of Clinical Investigation, 2009, 119, 399-407.	8.2	136
61	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. Microcirculation, 2008, 15, 269-282.	1.8	59
62	Dual P2Y <sub>12</sub> receptor signaling in thrombin-stimulated platelets involves involvement of phosphoinositide 3-kinase $\hat{1}$ but not $\hat{3}$ isoform in Ca <sup>2+</sup> mobilization and procoagulant activity. FEBS Journal, 2008, 275, 371-385.		43
63	Multiple ways to switch platelet integrins on and off. Journal of Thrombosis and Haemostasis, 2008, 6, 1253-1261.	3.8	80
64	Genetic Analysis of the Role of Protein Kinase C $\hat{1}$ in Platelet Function and Thrombus Formation. PLoS ONE, 2008, 3, e3277.	2.5	37
65	Dual Role of Platelet Protein Kinase C in Thrombus Formation. Journal of Biological Chemistry, 2007, 282, 7046-7055.	3.4	54
66	Activation of $\hat{1}\beta\hat{3}$ is a sufficient but also an imperative prerequisite for activation of $\hat{1}\hat{2}$ on platelets. Blood, 2007, 109, 595-602.	1.4	43
67	Role of murine integrin $\hat{1}\hat{2}$ in thrombus stabilization and embolization: Contribution of thromboxane A2. Thrombosis and Haemostasis, 2007, 98, 1072-1080.	3.4	34
68	Role of murine integrin alpha2beta1 in thrombus stabilization and embolization: contribution of thromboxane A2. Thrombosis and Haemostasis, 2007, 98, 1072-80.	3.4	17
69	Continuous signaling via PI3K isoforms $\hat{2}$ and $\hat{3}$ is required for platelet ADP receptor function in dynamic thrombus stabilization. Blood, 2006, 108, 3045-3052.	1.4	145
70	Fibrillar type I collagens enhance platelet-dependent thrombin generation via glycoprotein VI with direct support of $\hat{1}\hat{2}$ but not $\hat{1}\beta\hat{3}$ integrin. Thrombosis and Haemostasis, 2005, 94, 107-114.	3.4	25
71	Contribution of platelet glycoprotein VI to the thrombogenic effect of collagens in fibrous atherosclerotic lesions. Atherosclerosis, 2005, 181, 19-27.	0.8	72