

Judith M E M Cosemans

List of Publications by Year in descending order

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71
papers

3,860
citations

87888

38
h-index

123424

61
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72
all docs

72
docs citations

72
times ranked

4152
citing authors

#	ARTICLE	IF	CITATIONS
1	Platelet-based coagulation: different populations, different functions. <i>Journal of Thrombosis and Haemostasis</i> , 2013, 11, 2-16.	3.8	277
2	Identification of platelet function defects by multi-parameter assessment of thrombus formation. <i>Nature Communications</i> , 2014, 5, 4257.	12.8	191
3	Dual role of collagen in factor XII-dependent thrombus formation. <i>Blood</i> , 2009, 114, 881-890.	1.4	186
4	Continuous signaling via PI3K isoforms \hat{I}^2 and \hat{I}^3 is required for platelet ADP receptor function in dynamic thrombus stabilization. <i>Blood</i> , 2006, 108, 3045-3052.	1.4	145
5	Coordinated Membrane Ballooning and Procoagulant Spreading in Human Platelets. <i>Circulation</i> , 2015, 132, 1414-1424.	1.6	139
6	PKC \hat{I}^{\pm} regulates platelet granule secretion and thrombus formation in mice. <i>Journal of Clinical Investigation</i> , 2009, 119, 399-407.	8.2	136
7	Measurement of whole blood thrombus formation using parallel-plate flow chambers – a practical guide. <i>Platelets</i> , 2012, 23, 229-242.	2.3	127
8	Platelet response heterogeneity in thrombus formation. <i>Thrombosis and Haemostasis</i> , 2009, 102, 1149-1156.	3.4	117
9	Platelet interaction with activated endothelium: mechanistic insights from microfluidics. <i>Blood</i> , 2017, 130, 2819-2828.	1.4	117
10	Non-redundant Roles of Phosphoinositide 3-Kinase Isoforms \hat{I}^{\pm} and \hat{I}^2 in Glycoprotein VI-induced Platelet Signaling and Thrombus Formation. <i>Journal of Biological Chemistry</i> , 2009, 284, 33750-33762.	3.4	110
11	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
12	Functional Divergence of Platelet Protein Kinase C (PKC) Isoforms in Thrombus Formation on Collagen. <i>Journal of Biological Chemistry</i> , 2010, 285, 23410-23419.	3.4	96
13	Dual Mechanism of Integrin $\hat{I}^{\pm}IIb\hat{I}^23$ Closure in Procoagulant Platelets. <i>Journal of Biological Chemistry</i> , 2013, 288, 13325-13336.	3.4	96
14	The effects of arterial flow on platelet activation, thrombus growth, and stabilization. <i>Cardiovascular Research</i> , 2013, 99, 342-352.	3.8	89
15	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
16	Multiple ways to switch platelet integrins on and off. <i>Journal of Thrombosis and Haemostasis</i> , 2008, 6, 1253-1261.	3.8	80
17	Insights into platelet-based control of coagulation. <i>Thrombosis Research</i> , 2014, 133, S139-S148.	1.7	73
18	Contribution of platelet glycoprotein VI to the thrombogenic effect of collagens in fibrous atherosclerotic lesions. <i>Atherosclerosis</i> , 2005, 181, 19-27.	0.8	72

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19	Spatial Distribution of Factor Xa, Thrombin, and Fibrin(ogen) on Thrombi at Venous Shear. PLoS ONE, 2010, 5, e10415.	2.5	69
20	Hyperreactivity of Junctional Adhesion Molecule A-Deficient Platelets Accelerates Atherosclerosis in Hyperlipidemic Mice. Circulation Research, 2015, 116, 587-599.	4.5	67
21	Key role of glycoprotein Ib/VI and von Willebrand factor in platelet activation-dependent fibrin formation at low shear flow. Blood, 2011, 117, 651-660.	1.4	62
22	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
23	Supporting Roles of Platelet Thrombospondin-1 and CD36 in Thrombus Formation on Collagen. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1187-1192.	2.4	59
24	Signaling role of CD36 in platelet activation and thrombus formation on immobilized thrombospondin or oxidized low-density lipoprotein. Journal of Thrombosis and Haemostasis, 2011, 9, 1835-1846.	3.8	58
25	CD36 as a Multiple-Ligand Signaling Receptor in Atherothrombosis. Cardiovascular and Hematological Agents in Medicinal Chemistry, 2011, 9, 42-55.	1.0	58
26	Coated platelets function in platelet-dependent fibrin formation via integrin α IIb β 3 and transglutaminase factor XIII. Haematologica, 2016, 101, 427-436.	3.5	57
27	Acid Sphingomyelinase Regulates Platelet Cell Membrane Scrambling, Secretion, and Thrombus Formation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 61-71.	2.4	56
28	Dual Role of Platelet Protein Kinase C in Thrombus Formation. Journal of Biological Chemistry, 2007, 282, 7046-7055.	3.4	54
29	Platelet Control of Fibrin Distribution and Microelasticity in Thrombus Formation Under Flow. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 692-699.	2.4	53
30	Combined Quantification of the Global Proteome, Phosphoproteome, and Proteolytic Cleavage to Characterize Altered Platelet Functions in the Human Scott Syndrome. Molecular and Cellular Proteomics, 2016, 15, 3154-3169.	3.8	52
31	Survival protein anoctamin-6 controls multiple platelet responses including phospholipid scrambling, swelling, and protein cleavage. FASEB Journal, 2016, 30, 727-737.	0.5	52
32	Protein kinase C mediates platelet secretion and thrombus formation through protein kinase D2. Blood, 2011, 118, 416-424.	1.4	49
33	Monitoring in vitro thrombus formation with novel microfluidic devices. Platelets, 2012, 23, 501-509.	2.3	48
34	Atheroprotective effect of dietary walnut intake in ApoE-deficient mice: Involvement of lipids and coagulation factors. Thrombosis Research, 2013, 131, 411-417.	1.7	44
35	Activation of α IIb β 3 is a sufficient but also an imperative prerequisite for activation of α 2 β 1 on platelets. Blood, 2007, 109, 595-602.	1.4	43
36	Dual P2Y ₁₂ receptor signaling in thrombin-stimulated platelets: involvement of phosphoinositide 3-kinase β but not δ isoform in Ca ²⁺ mobilization and procoagulant activity. FEBS Journal, 2008, 275, 371-385.		43

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37	Stabilizing Role of Platelet P2Y ₁₂ Receptors in Shear-Dependent Thrombus Formation on Ruptured Plaques. <i>PLoS ONE</i> , 2010, 5, e10130.	2.5	42
38	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
39	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
40	Genetic Analysis of the Role of Protein Kinase C δ in Platelet Function and Thrombus Formation. <i>PLoS ONE</i> , 2008, 3, e3277.	2.5	37
41	Variable impairment of platelet functions in patients with severe, genetically linked immune deficiencies. <i>Haematologica</i> , 2018, 103, 540-549.	3.5	36
42	Role of murine integrin α 2 β 1 in thrombus stabilization and embolization: Contribution of thromboxane A ₂ . <i>Thrombosis and Haemostasis</i> , 2007, 98, 1072-1080.	3.4	34
43	Acute and persistent platelet and coagulant activities in atherothrombosis. <i>Journal of Thrombosis and Haemostasis</i> , 2015, 13, S272-S280.	3.8	31
44	Platelet CD40L Modulates Thrombus Growth Via Phosphatidylinositol 3-Kinase β , and Not Via CD40 and $\text{I}\beta$ Kinase α . <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1374-1381.	2.4	31
45	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
46	Unravelling the different functions of protein kinase C isoforms in platelets. <i>FEBS Letters</i> , 2011, 585, 1711-1716.	2.8	27
47	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
48	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
49	Fibrillar type I collagens enhance platelet-dependent thrombin generation via glycoprotein VI with direct support of α 2 β 1 but not α IIb β 3 integrin. <i>Thrombosis and Haemostasis</i> , 2005, 94, 107-114.	3.4	25
50	The multifaceted contribution of platelets in the emergence and aftermath of acute cardiovascular events. <i>Atherosclerosis</i> , 2021, 319, 132-141.	0.8	25
51	Normal Platelet Activation Profile in Patients with Peripheral Arterial Disease on Aspirin. <i>Thrombosis Research</i> , 2015, 135, 513-520.	1.7	21
52	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
53	Role of murine integrin α 2 β 1 in thrombus stabilization and embolization: contribution of thromboxane A ₂ . <i>Thrombosis and Haemostasis</i> , 2007, 98, 1072-80.	3.4	17
54	Suppressive Role of Tissue Factor Pathway Inhibitor- α 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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55	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
56	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
57	Complementary roles of platelet α IIb β 3 integrin, phosphatidylserine exposure and cytoskeletal rearrangement in the release of extracellular vesicles. <i>Atherosclerosis</i> , 2020, 310, 17-25.	0.8	12
58	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
59	Comparison of inhibitory effects of irreversible and reversible Btk inhibitors on platelet function. <i>EJHaem</i> , 2021, 2, 685-699.	1.0	8
60	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
61	Atherosclerotic plaque injury-mediated murine thrombosis models: advantages and limitations. <i>Platelets</i> , 2020, 31, 439-446.	2.3	6
62	Inhibition of Phosphodiesterase 3A by Cilostazol Dampens Proinflammatory Platelet Functions. <i>Cells</i> , 2021, 10, 1998.	4.1	6
63	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
64	Combined Antiplatelet Therapy Reduces the Proinflammatory Properties of Activated Platelets. <i>TH Open</i> , 2021, 05, e533-e542.	1.4	5
65	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
66	Platelets and Coagulation. , 2017, , 447-462.		4
67	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
68	Characterization of Atherosclerotic Plaque Coating for Thrombosis Microfluidics Assays. <i>Cellular and Molecular Bioengineering</i> , 2022, 15, 55-65.	2.1	3
69	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
70	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
71	At the MERcy of platelet primers. <i>Journal of Thrombosis and Haemostasis</i> , 2018, 16, 349-351.	3.8	0