

Henri m H Spronk

List of Publications by Citations

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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.

116
papers

4,218
citations

34
h-index

63
g-index

133
ext. papers

5,011
ext. citations

7.1
avg, IF

5.43
L-index

#	Paper	IF	Citations
116	Platelet polyphosphates are proinflammatory and procoagulant mediators in vivo. <i>Cell</i> , 2009 , 139, 1143-56	56.2	605
115	The hemostatic system as a modulator of atherosclerosis. <i>New England Journal of Medicine</i> , 2011 , 364, 1746-60	59.2	385
114	Dual role of collagen in factor XII-dependent thrombus formation. <i>Blood</i> , 2009 , 114, 881-90	2.2	156
113	Early atherosclerosis exhibits an enhanced procoagulant state. <i>Circulation</i> , 2010 , 122, 821-30	16.7	151
112	Is thrombin a key player in the coagulation-atherogenesis maze?. <i>Cardiovascular Research</i> , 2009 , 82, 392-403	9.9	148
111	Thrombin generation and activated protein C resistance in patients with essential thrombocythemia and polycythemia vera. <i>Blood</i> , 2008 , 112, 4061-8	2.2	119
110	The blood coagulation system as a molecular machine. <i>BioEssays</i> , 2003 , 25, 1220-8	4.1	114
109	Elevated procoagulant microparticles expressing endothelial and platelet markers in essential thrombocythemia. <i>Haematologica</i> , 2009 , 94, 911-8	6.6	101
108	Increasing concentrations of prothrombin complex concentrate induce disseminated intravascular coagulation in a pig model of coagulopathy with blunt liver injury. <i>Blood</i> , 2011 , 118, 1943-51	2.2	97
107	Hypercoagulability causes atrial fibrosis and promotes atrial fibrillation. <i>European Heart Journal</i> , 2017 , 38, 38-50	9.5	89
106	Genetic and pharmacological modifications of thrombin formation in apolipoprotein e-deficient mice determine atherosclerosis severity and atherothrombosis onset in a neutrophil-dependent manner. <i>PLoS ONE</i> , 2013 , 8, e55784	3.7	87
105	Prothrombin complex concentrates and a specific antidote to dabigatran are effective ex-vivo in reversing the effects of dabigatran in an anticoagulation/liver trauma experimental model. <i>Critical Care</i> , 2014 , 18, R27	10.8	80
104	Pleiotropic effects of factor Xa and thrombin: what to expect from novel anticoagulants. <i>Cardiovascular Research</i> , 2014 , 101, 344-51	9.9	78
103	Effects of ambient air pollution on hemostasis and inflammation. <i>Environmental Health Perspectives</i> , 2009 , 117, 995-1001	8.4	77
102	Coagulation and non-coagulation effects of thrombin. <i>Journal of Thrombosis and Haemostasis</i> , 2016 , 14, 1908-1916	15.4	73
101	Assessment of thrombin generation II: Validation of the Calibrated Automated Thrombogram in platelet-poor plasma in a clinical laboratory. <i>Thrombosis and Haemostasis</i> , 2008 , 100, 362-364	7	69
100	Blood coagulation and the risk of atherothrombosis: a complex relationship. <i>Thrombosis Journal</i> , 2004 , 2, 12	5.6	68

99	Integrating platelet and coagulation activation in fibrin clot formation. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2018 , 2, 450-460	5.1	68
98	Thrombin generation and atherosclerosis. <i>Journal of Thrombosis and Thrombolysis</i> , 2014 , 37, 45-55	5.1	67
97	Activated protein C protects against myocardial ischemia/ reperfusion injury via inhibition of apoptosis and inflammation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 1087-92	9.4	65
96	Novel mutation in the Eglutamyl carboxylase gene resulting in congenital combined deficiency of all vitamin K dependent blood coagulation factors. <i>Blood</i> , 2000 , 96, 3650-3652	2.2	65
95	The prothrombotic paradox of hypertension: role of the renin-angiotensin and kallikrein-kinin systems. <i>Hypertension</i> , 2005 , 46, 1236-42	8.5	64
94	Short- and Long-term exercise induced alterations in haemostasis: a review of the literature. <i>Blood Reviews</i> , 2015 , 29, 171-8	11.1	53
93	Thrombin generation in patients after acute deep-vein thrombosis. <i>Thrombosis and Haemostasis</i> , 2008 , 100, 240-245	7	51
92	Idarucizumab, a Specific Dabigatran Reversal Agent, Reduces Blood Loss in a Porcine Model of Trauma With Dabigatran Anticoagulation. <i>Journal of the American College of Cardiology</i> , 2015 , 66, 1518-9 ^{15.1}	15.1	49
91	Accelerated in vivo thrombin formation independently predicts the presence and severity of CT angiographic coronary atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , 2012 , 5, 1201-10	8.4	49
90	Neutrophils and Contact Activation of Coagulation as Potential Drivers of COVID-19. <i>Circulation</i> , 2020 , 142, 1787-1790	16.7	46
89	Sex-specific differences in genetic and nongenetic determinants of mean platelet volume: results from the Gutenberg Health Study. <i>Blood</i> , 2016 , 127, 251-9	2.2	44
88	Roles of Coagulation Proteases and PARs (Protease-Activated Receptors) in Mouse Models of Inflammatory Diseases. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 13-24	9.4	44
87	Prothrombin Complex Concentrate Is Effective in Treating the Anticoagulant Effects of Dabigatran in a Porcine Polytrauma Model. <i>Anesthesiology</i> , 2015 , 123, 1350-61	4.3	42
86	Therapy with activated prothrombin complex concentrate is effective in reducing dabigatran-associated blood loss in a porcine polytrauma model. <i>Thrombosis and Haemostasis</i> , 2016 , 115, 271-84	7	41
85	Validation of a modified thromboelastometry approach to detect changes in fibrinolytic activity. <i>Thrombosis Journal</i> , 2016 , 14, 1	5.6	40
84	Thrombo-Inflammation in Cardiovascular Disease: An Expert Consensus Document from the Third Maastricht Consensus Conference on Thrombosis. <i>Thrombosis and Haemostasis</i> , 2020 , 120, 538-564	7	39
83	Body composition as determinant of thrombin generation in plasma: the Hoorn study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 2639-47	9.4	38
82	Differential roles of tissue factor and phosphatidylserine in activation of coagulation. <i>Thrombosis Research</i> , 2014 , 133 Suppl 1, S54-6	8.2	32

81	Thrombin generation capacity of prothrombin complex concentrate in an in vitro dilutional model. <i>PLoS ONE</i> , 2013 , 8, e64100	3.7	32
80	Impaired glucose metabolism and type 2 diabetes are associated with hypercoagulability: potential role of central adiposity and low-grade inflammation--the Hoorn Study. <i>Thrombosis Research</i> , 2012 , 129, 557-62	8.2	30
79	Assessment of thrombin generation II: Validation of the Calibrated Automated Thrombogram in platelet-poor plasma in a clinical laboratory. <i>Thrombosis and Haemostasis</i> , 2008 , 100, 362-4	7	30
78	Detecting clinically relevant rivaroxaban or dabigatran levels by routine coagulation tests or thromboelastography in a cohort of patients with atrial fibrillation. <i>Thrombosis Journal</i> , 2018 , 16, 3	5.6	29
77	Prothrombin complex concentrate reduces blood loss and enhances thrombin generation in a pig model with blunt liver injury under severe hypothermia. <i>Thrombosis and Haemostasis</i> , 2011 , 106, 724-33	7	29
76	Analysis of blood coagulation in mice: pre-analytical conditions and evaluation of a home-made assay for thrombin-antithrombin complexes. <i>Thrombosis Journal</i> , 2005 , 3, 12	5.6	27
75	Thrombin generation in patients after acute deep-vein thrombosis. <i>Thrombosis and Haemostasis</i> , 2008 , 100, 240-5	7	27
74	Measurement of dabigatran in standardly used clinical assays, whole blood viscoelastic coagulation, and thrombin generation assays. <i>Clinics in Laboratory Medicine</i> , 2014 , 34, 479-501	2.1	26
73	Differential cellular effects of old and new oral anticoagulants: consequences to the genesis and progression of atherosclerosis. <i>Thrombosis and Haemostasis</i> , 2014 , 112, 909-17	7	25
72	Targeting Coagulation Factor Xa Promotes Regression of Advanced Atherosclerosis in Apolipoprotein-E Deficient Mice. <i>Scientific Reports</i> , 2019 , 9, 3909	4.9	24
71	Role of platelets, neutrophils, and factor XII in spontaneous venous thrombosis in mice. <i>Blood</i> , 2016 , 127, 2630-7	2.2	24
70	Inhibitory mechanisms of very low-dose rivaroxaban in non-ST-elevation myocardial infarction. <i>Blood Advances</i> , 2018 , 2, 715-730	7.8	24
69	Thrombin generation in the Glasgow Myocardial Infarction Study. <i>PLoS ONE</i> , 2013 , 8, e66977	3.7	23
68	Factor XIa and Thrombin Generation Are Elevated in Patients with Acute Coronary Syndrome and Predict Recurrent Cardiovascular Events. <i>PLoS ONE</i> , 2016 , 11, e0158355	3.7	23
67	Atrial fibrillation progression risk factors and associated cardiovascular outcome in well-phenotyped patients: data from the AF-RISK study. <i>Europace</i> , 2020 , 22, 352-360	3.9	23
66	Proteomic analysis reveals procoagulant properties of cigarette smoke-induced extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1585163	16.4	21
65	Monitoring thrombin generation: is addition of corn trypsin inhibitor needed?. <i>Thrombosis and Haemostasis</i> , 2009 , 101, 1156-62	7	20
64	Associations Between Thrombin Generation and the Risk of Cardiovascular Disease in Elderly Patients: Results From the PROSPER Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015 , 70, 982-8	6.4	19

63	Plasma Biomarkers to Predict Cardiovascular Outcome in Patients With Peripheral Artery Disease: A Systematic Review and Meta-Analysis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 2018-2032	8.4	17
62	Mouse venous thrombosis upon silencing of anticoagulants depends on tissue factor and platelets, not FXII or neutrophils. <i>Blood</i> , 2019 , 133, 2090-2099	2.2	16
61	New insights into modulation of thrombin formation. <i>Current Atherosclerosis Reports</i> , 2013 , 15, 363	6	15
60	Thrombomodulin-modified thrombin generation after in vivo recombinant factor VIII treatment in severe hemophilia A. <i>Haematologica</i> , 2008 , 93, 1351-7	6.6	15
59	Plasma Kallikrein Contributes to Coagulation in the Absence of Factor XI by Activating Factor IX. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 103-111	9.4	15
58	Thrombin generation in cardiovascular disease and mortality - results from the Gutenberg Health Study. <i>Haematologica</i> , 2020 , 105, 2327-2334	6.6	15
57	Temporal patterns and short-term progression of paroxysmal atrial fibrillation: data from RACE V. <i>Europace</i> , 2020 , 22, 1162-1172	3.9	14
56	Prethrombotic State in Young Very Low-Risk Patients With Atrial Fibrillation. <i>Journal of the American College of Cardiology</i> , 2017 , 69, 1990-1992	15.1	13
55	Characterization of hemostasis in mice lacking the novel thrombosis susceptibility gene Slc44a2. <i>Thrombosis Research</i> , 2018 , 171, 155-159	8.2	13
54	Mean Platelet Volume and Arterial Stiffness - Clinical Relationship and Common Genetic Variability. <i>Scientific Reports</i> , 2017 , 7, 40229	4.9	12
53	Dual Anticoagulant and Antiplatelet Therapy for Coronary Artery Disease and Peripheral Artery Disease Patients. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 726-732	9.4	11
52	Platelet-primed interactions of coagulation and anticoagulation pathways in flow-dependent thrombus formation. <i>Scientific Reports</i> , 2020 , 10, 11910	4.9	11
51	Effects of Fibrinogen Concentrate on Thrombin Generation, Thromboelastometry Parameters, and Laboratory Coagulation Testing in a 24-Hour Porcine Trauma Model. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2016 , 22, 749-759	3.3	10
50	Role of Factor XIa and Plasma Kallikrein in Arterial and Venous Thrombosis. <i>Thrombosis and Haemostasis</i> , 2020 , 120, 883-993	7	10
49	Long-term strenuous exercise induces a hypercoagulable state through contact activation. <i>Thrombosis and Haemostasis</i> , 2014 , 111, 1197-9	7	10
48	Hemostatic Therapy Using Tranexamic Acid and Coagulation Factor Concentrates in a Model of Traumatic Liver Injury. <i>Anesthesia and Analgesia</i> , 2016 , 123, 38-48	3.9	10
47	Pleiotropic effects of the hemostatic system. <i>Journal of Thrombosis and Haemostasis</i> , 2018 , 16, 1464	15.4	10
46	Theme 2: Epidemiology, Biomarkers, and Imaging of Venous Thromboembolism (and postthrombotic syndrome). <i>Thrombosis Research</i> , 2015 , 136 Suppl 1, S8-S12	8.2	9

45	Clinical Determinants of Thrombin Generation Measured in Presence and Absence of Platelets-Results from the Gutenberg Health Study. <i>Thrombosis and Haemostasis</i> , 2018 , 118, 873-882	7	9
44	Serial EXTEM, FIBTEM, and tPA Rotational Thromboelastometry Observations in the Maastricht Intensive Care COVID Cohort-Persistence of Hypercoagulability and Hypofibrinolysis Despite Anticoagulation. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 654174	5.4	9
43	Distribution, genetic and cardiovascular determinants of FVIII:c - Data from the population-based Gutenberg Health Study. <i>International Journal of Cardiology</i> , 2015 , 187, 166-74	3.2	8
42	Comprehensive platelet phenotyping supports the role of platelets in the pathogenesis of acute venous thromboembolism - results from clinical observation studies. <i>EBioMedicine</i> , 2020 , 60, 102978	8.8	8
41	Suggestions for global coagulation assays for the assessment of COVID-19 associated hypercoagulability. <i>Thrombosis Research</i> , 2021 , 201, 84-89	8.2	8
40	Intake of Vitamin K Antagonists and Worsening of Cardiac and Vascular Disease: Results From the Population-Based Gutenberg Health Study. <i>Journal of the American Heart Association</i> , 2018 , 7, e008650	6	8
39	No Association between Thrombin Generation and Intra-Plaque Haemorrhage in Symptomatic Carotid Atherosclerotic Plaques: The Plaque at RISK (PARISK) Study. <i>Thrombosis and Haemostasis</i> , 2018 , 118, 1461-1469	7	7
38	Increased Clot Formation in the Absence of Increased Thrombin Generation in Patients with Peripheral Arterial Disease: A Case-Control Study. <i>Frontiers in Cardiovascular Medicine</i> , 2017 , 4, 23	5.4	6
37	Plasminogen activator inhibitor-1 and tissue plasminogen activator and incident AF: Data from the PREVEND study. <i>International Journal of Cardiology</i> , 2018 , 272, 208-210	3.2	5
36	Off-target effects of oral anticoagulants - vascular effects of vitamin K antagonist and non-vitamin K antagonist oral anticoagulant dabigatran etexilate. <i>Journal of Thrombosis and Haemostasis</i> , 2021 , 19, 1348-1363	15.4	5
35	Serial markers of coagulation and inflammation and the occurrence of clinical pulmonary thromboembolism in mechanically ventilated patients with SARS-CoV-2 infection; the prospective Maastricht intensive care COVID cohort. <i>Thrombosis Journal</i> , 2021 , 19, 35	5.6	5
34	Cardiovascular risk factors are important determinants of platelet-dependent thrombin generation in adult survivors of childhood cancer. <i>Clinical Research in Cardiology</i> , 2019 , 108, 438-447	6.1	5
33	Searching for a Common Thrombo-Inflammatory Basis in Patients With Deep Vein Thrombosis or Peripheral Artery Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2019 , 6, 33	5.4	4
32	Dose requirements for idarucizumab reversal of dabigatran in a lethal porcine trauma model with continuous bleeding. <i>Thrombosis and Haemostasis</i> , 2017 , 117, 1370-1378	7	4
31	Pleiotropic actions of factor Xa inhibition in cardiovascular prevention: mechanistic insights and implications for anti-thrombotic treatment. <i>Cardiovascular Research</i> , 2021 , 117, 2030-2044	9.9	4
30	Thrombin-Fibrin(ogen) Interactions, Host Defense and Risk of Thrombosis. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
29	Differential roles of factors IX and XI in murine placenta and hemostasis under conditions of low tissue factor. <i>Blood Advances</i> , 2020 , 4, 207-216	7.8	4
28	Recombinant Factor VIIa Reduces Bleeding after Blunt Liver Injury in a Pig Model of Dilutional Coagulopathy under Severe Hypothermia. <i>PLoS ONE</i> , 2015 , 10, e0113979	3.7	3

27	Potent Cyclic Peptide Inhibitors of FXIIa Discovered by mRNA Display with Genetic Code Reprogramming. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 7853-7876	8.3	3
26	Protease-activated receptors are potential regulators in the development of arterial endofibrosis in high-performance athletes. <i>Journal of Vascular Surgery</i> , 2019 , 69, 1243-1250	3.5	3
25	Use of "C9/11 Mismatch" Control siRNA Reveals Sequence-Related Off-Target Effect on Coagulation of an siRNA Targeting Mouse Coagulation Factor XII. <i>Nucleic Acid Therapeutics</i> , 2019 , 29, 218-223	4.8	2
24	Toll-like receptor 9 gene expression in the post-thrombotic syndrome, residual thrombosis and recurrent deep venous thrombosis: A case-control study. <i>Thrombosis Research</i> , 2016 , 140, 106-109	8.2	2
23	Ex Vivo Prothrombin Complex Concentrates and a Specific Antidote Are Effective In Reversing Dabigatran-Induced Coagulopathy In Pigs. <i>Blood</i> , 2013 , 122, 2387-2387	2.2	2
22	Relation between Tissue Factor Pathway Inhibitor Activity and Cardiovascular Risk Factors and Diseases in a Large Population Sample. <i>Thrombosis and Haemostasis</i> , 2021 , 121, 174-181	7	2
21	The impact of platelet indices on clinical outcome in heart failure: results from the MyoVasc study. <i>ESC Heart Failure</i> , 2021 , 8, 2991-3001	3.7	1
20	The Intrinsic Pathway does not Contribute to Activation of Coagulation in Mice Bearing Human Pancreatic Tumors Expressing Tissue Factor. <i>Thrombosis and Haemostasis</i> , 2021 , 121, 967-970	7	1
19	Calibrated automated thrombogram II: removing barriers for thrombin generation measurements. <i>Thrombosis Journal</i> , 2021 , 19, 60	5.6	1
18	Activated factor XI-antithrombin complex presenting as an independent predictor of 30-days mortality in out-of-hospital cardiac arrest patients. <i>Thrombosis Research</i> , 2021 , 204, 1-8	8.2	1
17	ChAdOx1 vaccination, blood coagulation, and inflammation: No effect on coagulation but increased interleukin-6.. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2021 , 5, e12630	5.1	1
16	Effect of combining aspirin and rivaroxaban on atherosclerosis in mice.. <i>Atherosclerosis</i> , 2022 , 345, 7-14	3.1	0
15	Novel Thermostable Inhibitor of Contact Activation Tica Effectively Blocks Contact Activation in Low Tissue Factor Thrombin Generation. <i>Blood</i> , 2019 , 134, 1146-1146	2.2	0
14	Volume replacement strategies do not impair the binding of dabigatran to idarucizumab: Porcine model of hemodilution. <i>PLoS ONE</i> , 2019 , 14, e0209350	3.7	
13	Additive effect of erythropoietin use on exercise-induced endothelial activation and hypercoagulability in athletes. <i>European Journal of Applied Physiology</i> , 2020 , 120, 1893-1904	3.4	
12	Particles, Coagulation, and Thrombosis 2011 , 403-420		
11	Thrombin generation by calibrated automated thrombography in goat plasma: Optimization of an assay. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2021 , 5, e12620	5.1	
10	Lipid-Mediated Relation between Tissue Factor Pathway Inhibitor Activity and Cardiovascular Risk Factors and Diseases in a Large Population Sample. <i>Blood</i> , 2018 , 132, 1169-1169	2.2	

9	Interrogation of the Coagulation Cascade Acute Coronary Syndrome Using Novel Elisa-Based Assays for Single Protease Quantification. <i>Blood</i> , 2018 , 132, 5013-5013	2.2
8	Plasma Kallikrein Contributes to Ellagic Acid-Induced Coagulation in the Absence of FXI By Activating Factor IX. <i>Blood</i> , 2019 , 134, 1106-1106	2.2
7	Prothrombin Complex Concentrate in Combination with Fibrinogen Plus Tranexamic Acid Is More Effective Than Mono-Therapy with Prothrombin Complex Concentrate in a Dabigatran Anticoagulation Experimental Polytrauma Model. <i>Blood</i> , 2014 , 124, 346-346	2.2
6	Hypercoagulability Promotes Atrial Fibrosis and Fibrillation. <i>Blood</i> , 2014 , 124, 4246-4246	2.2
5	Thrombin Inhibition Prevents Against Severe Atherosclerosis Progression in Prothrombotic Mice. <i>Blood</i> , 2012 , 120, 103-103	2.2
4	No antiarrhythmic effect of direct oral anticoagulants versus vitamin K antagonists in paroxysmal atrial fibrillation patients undergoing catheter ablation. <i>International Journal of Cardiology</i> , 2021 , 331, 106-108	3.2
3	Evaluation of the analytical performance of the PC100 platelet counter. <i>Thrombosis Journal</i> , 2021 , 19, 29	5.6
2	Relation between platelet coagulant and vascular function, sex-specific analysis in adult survivors of childhood cancer compared to a population-based sample. <i>Scientific Reports</i> , 2019 , 9, 20090	4.9
1	Protein C or Protein S deficiency associates with paradoxically impaired platelet-dependent thrombus and fibrin formation under flow.. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2022 , 6, e12678	5.1