

Rienk Nieuwland

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4978232/rienk-nieuwland-publications-by-citations.pdf>

Version: 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

193
papers

17,533
citations

58
h-index

131
g-index

199
ext. papers

21,416
ext. citations

7
avg. IF

6.36
L-index

#	Paper	IF	Citations
193	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1535750	16.4	3642
192	Classification, functions, and clinical relevance of extracellular vesicles. <i>Pharmacological Reviews</i> , 2012 , 64, 676-705	22.5	1123
191	Vesiclepedia: a compendium for extracellular vesicles with continuous community annotation. <i>PLoS Biology</i> , 2012 , 10, e1001450	9.7	800
190	Single-step isolation of extracellular vesicles by size-exclusion chromatography. <i>Journal of Extracellular Vesicles</i> , 2014 , 3,	16.4	582
189	Cellular origin and procoagulant properties of microparticles in meningococcal sepsis. <i>Blood</i> , 2000 , 95, 930-935	2.2	532
188	Cell-derived Microparticles Circulate in Healthy Humans and Support Low Grade Thrombin Generation. <i>Thrombosis and Haemostasis</i> , 2001 , 85, 639-649	7	515
187	Methodological Guidelines to Study Extracellular Vesicles. <i>Circulation Research</i> , 2017 , 120, 1632-1648	15.7	490
186	Microparticles in cardiovascular diseases. <i>Cardiovascular Research</i> , 2003 , 59, 277-87	9.9	460
185	Optical and non-optical methods for detection and characterization of microparticles and exosomes. <i>Journal of Thrombosis and Haemostasis</i> , 2010 , 8, 2596-607	15.4	382
184	Extracellular vesicles in physiological and pathological conditions. <i>Blood Reviews</i> , 2013 , 27, 31-9	11.1	316
183	Elevated numbers of tissue-factor exposing microparticles correlate with components of the metabolic syndrome in uncomplicated type 2 diabetes mellitus. <i>Circulation</i> , 2002 , 106, 2442-7	16.7	309
182	Cellular microparticles: new players in the field of vascular disease?. <i>European Journal of Clinical Investigation</i> , 2004 , 34, 392-401	4.6	300
181	Single vs. swarm detection of microparticles and exosomes by flow cytometry. <i>Journal of Thrombosis and Haemostasis</i> , 2012 , 10, 919-30	15.4	281
180	EVpedia: a community web portal for extracellular vesicles research. <i>Bioinformatics</i> , 2015 , 31, 933-9	7.2	256
179	Direct binding of C1q to apoptotic cells and cell blebs induces complement activation. <i>European Journal of Immunology</i> , 2002 , 32, 1726-36	6.1	249
178	Cell-derived microparticles generated in patients during cardiopulmonary bypass are highly procoagulant. <i>Circulation</i> , 1997 , 96, 3534-41	16.7	242
177	Human cell-derived microparticles promote thrombus formation in vivo in a tissue factor-dependent manner. <i>Journal of Thrombosis and Haemostasis</i> , 2003 , 1, 2561-8	15.4	240

176	Microparticles from Patients with Multiple Organ Dysfunction Syndrome and Sepsis Support Coagulation through Multiple Mechanisms. <i>Thrombosis and Haemostasis</i> , 2001 , 85, 810-820	7	211
175	Circulating erythrocyte-derived microparticles are associated with coagulation activation in sickle cell disease. <i>Haematologica</i> , 2009 , 94, 1513-9	6.6	199
174	Co-isolation of extracellular vesicles and high-density lipoproteins using density gradient ultracentrifugation. <i>Journal of Extracellular Vesicles</i> , 2014 , 3,	16.4	197
173	P-selectin- and CD63-exposing platelet microparticles reflect platelet activation in peripheral arterial disease and myocardial infarction. <i>Clinical Chemistry</i> , 2006 , 52, 657-64	5.5	167
172	Measurement of circulating cell-derived microparticles by flow cytometry: sources of variability within the assay. <i>Thrombosis Research</i> , 2011 , 127, 370-7	8.2	160
171	Microparticle subpopulations are increased in preeclampsia: possible involvement in vascular dysfunction?. <i>American Journal of Obstetrics and Gynecology</i> , 2002 , 187, 450-6	6.4	154
170	Cell-derived microparticles in synovial fluid from inflamed arthritic joints support coagulation exclusively via a factor VII-dependent mechanism. <i>Arthritis and Rheumatism</i> , 2002 , 46, 2857-66		152
169	Microvesicles in vascular homeostasis and diseases. Position Paper of the European Society of Cardiology (ESC) Working Group on Atherosclerosis and Vascular Biology. <i>Thrombosis and Haemostasis</i> , 2017 , 117, 1296-1316	7	143
168	Cell-derived vesicles exposing coagulant tissue factor in saliva. <i>Blood</i> , 2011 , 117, 3172-80	2.2	138
167	Handling and storage of human body fluids for analysis of extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 29260	16.4	130
166	Refractive index determination of nanoparticles in suspension using nanoparticle tracking analysis. <i>Nano Letters</i> , 2014 , 14, 6195-201	11.5	123
165	Synovial microparticles from arthritic patients modulate chemokine and cytokine release by synoviocytes. <i>Arthritis Research</i> , 2005 , 7, R536-44		122
164	Inhibition of microparticle release triggers endothelial cell apoptosis and detachment. <i>Thrombosis and Haemostasis</i> , 2007 , 98, 1096-107	7	121
163	MIFlowCyt-EV: a framework for standardized reporting of extracellular vesicle flow cytometry experiments. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1713526	16.4	119
162	Phospholipid composition of cell-derived microparticles determined by one-dimensional high-performance thin-layer chromatography. <i>Analytical Biochemistry</i> , 2002 , 302, 191-8	3.1	117
161	Comparison of risk prediction scores for venous thromboembolism in cancer patients: a prospective cohort study. <i>Haematologica</i> , 2017 , 102, 1494-1501	6.6	113
160	Supernatant of aged erythrocytes causes lung inflammation and coagulopathy in a "two-hit" in vivo syngeneic transfusion model. <i>Anesthesiology</i> , 2010 , 113, 92-103	4.3	103
159	A standardized method to determine the concentration of extracellular vesicles using tunable resistive pulse sensing. <i>Journal of Extracellular Vesicles</i> , 2016 , 5, 31242	16.4	103

158	Cell-derived microparticles in the pathogenesis of cardiovascular disease: friend or foe?. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 4-9	9.4	102
157	Two consecutive high-fat meals affect endothelial-dependent vasodilation, oxidative stress and cellular microparticles in healthy men. <i>Journal of Thrombosis and Haemostasis</i> , 2006 , 4, 1003-10	15.4	102
156	Reproducible extracellular vesicle size and concentration determination with tunable resistive pulse sensing. <i>Journal of Extracellular Vesicles</i> , 2014 , 3, 25922	16.4	100
155	Changes in microparticle numbers and cellular origin during pregnancy and preeclampsia. <i>Hypertension in Pregnancy</i> , 2008 , 27, 344-60	2	93
154	Plasma vesicle miRNAs for therapy response monitoring in Hodgkin lymphoma patients. <i>JCI Insight</i> , 2016 , 1, e89631	9.9	93
153	Methods for Separation and Characterization of Extracellular Vesicles: Results of a Worldwide Survey Performed by the ISEV Rigor and Standardization Subcommittee. <i>Cells</i> , 2020 , 9,	7.9	93
152	Isolated microparticles, but not whole plasma, from women with preeclampsia impair endothelium-dependent relaxation in isolated myometrial arteries from healthy pregnant women. <i>American Journal of Obstetrics and Gynecology</i> , 2002 , 187, 1686-93	6.4	92
151	The phospholipid composition and cholesterol content of platelet-derived microparticles: a comparison with platelet membrane fractions. <i>Journal of Thrombosis and Haemostasis</i> , 2005 , 3, 2754-63	15.4	91
150	Towards traceable size determination of extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2014 , 3,	16.4	88
149	Supernatant of stored platelets causes lung inflammation and coagulopathy in a novel in vivo transfusion model. <i>Blood</i> , 2010 , 116, 1360-8	2.2	80
148	Coagulation activation and microparticle-associated coagulant activity in cancer patients. An exploratory prospective study. <i>Thrombosis and Haemostasis</i> , 2012 , 108, 160-5	7	77
147	Clearance of platelet microparticles in vivo. <i>Platelets</i> , 2011 , 22, 111-6	3.6	77
146	Phospholipid composition of in vitro endothelial microparticles and their in vivo thrombogenic properties. <i>Thrombosis Research</i> , 2008 , 121, 865-71	8.2	75
145	Cell-derived microparticles contain caspase 3 in vitro and in vivo. <i>Journal of Thrombosis and Haemostasis</i> , 2005 , 3, 888-96	15.4	70
144	Periodontitis is associated with platelet activation. <i>Atherosclerosis</i> , 2009 , 202, 605-11	3.1	69
143	Why do cells release vesicles?. <i>Thrombosis Research</i> , 2010 , 125 Suppl 1, S49-51	8.2	68
142	Platelet microparticles contain active caspase 3. <i>Platelets</i> , 2008 , 19, 96-103	3.6	68
141	Activated complement components and complement activator molecules on the surface of cell-derived microparticles in patients with rheumatoid arthritis and healthy individuals. <i>Annals of the Rheumatic Diseases</i> , 2007 , 66, 1085-92	2.4	66

140	Extracellular vesicles from human plasma and serum are carriers of extravesicular cargo-Implications for biomarker discovery. <i>PLoS ONE</i> , 2020 , 15, e0236439	3.7	65
139	Gender-specific and menstrual cycle dependent differences in circulating microparticles. <i>Platelets</i> , 2007 , 18, 515-21	3.6	64
138	Microparticle-associated P-selectin reflects platelet activation in preeclampsia. <i>Platelets</i> , 2007 , 18, 68-73.	3.6	64
137	Absolute sizing and label-free identification of extracellular vesicles by flow cytometry. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 801-810	6	62
136	International Society for Extracellular Vesicles and International Society for Cell and Gene Therapy statement on extracellular vesicles from mesenchymal stromal cells and other cells: considerations for potential therapeutic agents to suppress coronavirus disease-19. <i>Cytotherapy</i> , 2020 , 22, 482-485	4.8	59
135	Extracellular vesicles, tissue factor, cancer and thrombosis - discussion themes of the ISEV 2014 Educational Day. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 26901	16.4	57
134	Comparison of Generic Fluorescent Markers for Detection of Extracellular Vesicles by Flow Cytometry. <i>Clinical Chemistry</i> , 2018 , 64, 680-689	5.5	56
133	Leukocyte activation and circulating leukocyte-derived microparticles in preeclampsia. <i>American Journal of Reproductive Immunology</i> , 2009 , 61, 346-59	3.8	55
132	The generation and use of recombinant extracellular vesicles as biological reference material. <i>Nature Communications</i> , 2019 , 10, 3288	17.4	54
131	Enhanced Coagulation Activation in Preeclampsia: the Role of APC Resistance, Microparticles and Other Plasma Constituents. <i>Thrombosis and Haemostasis</i> , 2002 , 88, 415-420	7	53
130	Microparticles and exosomes: impact on normal and complicated pregnancy. <i>American Journal of Reproductive Immunology</i> , 2007 , 58, 389-402	3.8	50
129	Pro- and non-coagulant forms of non-cell-bound tissue factor in vivo. <i>Journal of Thrombosis and Haemostasis</i> , 2003 , 1, 1920-6	15.4	49
128	Development of Peritoneal Carcinomatosis in Epithelial Ovarian Cancer: A Review. <i>Journal of Histochemistry and Cytochemistry</i> , 2018 , 66, 67-83	3.4	47
127	Elevated endothelial microparticles following consecutive meals are associated with vascular endothelial dysfunction in type 2 diabetes. <i>Diabetes Care</i> , 2007 , 30, 728-30	14.6	46
126	Simvastatin-induced endothelial cell detachment and microparticle release are prenylation dependent. <i>Thrombosis and Haemostasis</i> , 2008 , 100, 489-497	7	45
125	Clinical requirements for extracellular vesicle assays. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1593755	16.4	43
124	Transfusion-related risk of secondary bacterial infections in sepsis patients: a retrospective cohort study. <i>Shock</i> , 2011 , 35, 355-9	3.4	43
123	Activated platelets in patients with severe hypertriglyceridemia: effects of triglyceride-lowering therapy. <i>Atherosclerosis</i> , 2000 , 152, 407-14	3.1	43

122	Dynamic microvesicle release and clearance within the cardiovascular system: triggers and mechanisms. <i>Clinical Science</i> , 2015 , 129, 915-31	6.5	42
121	Elevated platelet and leukocyte response to oral bacteria in periodontitis. <i>Journal of Thrombosis and Haemostasis</i> , 2009 , 7, 162-70	15.4	42
120	Summary of the ISEV workshop on extracellular vesicles as disease biomarkers, held in Birmingham, UK, during December 2017. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1473707	16.4	42
119	Glycan modification of glioblastoma-derived extracellular vesicles enhances receptor-mediated targeting of dendritic cells. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1648995	16.4	41
118	Apheresis platelet concentrates contain platelet-derived and endothelial cell-derived microparticles. <i>Vox Sanguinis</i> , 2011 , 100, 179-86	3.1	41
117	Effects of cancer on platelets. <i>Seminars in Oncology</i> , 2014 , 41, 311-8	5.5	40
116	The functions of microparticles in pre-eclampsia. <i>Seminars in Thrombosis and Hemostasis</i> , 2011 , 37, 146-53	5.3	38
115	Clinical Significance of Tissue Factor-Exposing Microparticles in Arterial and Venous Thrombosis. <i>Seminars in Thrombosis and Hemostasis</i> , 2015 , 41, 718-27	5.3	36
114	A Fifty Percent Reduction of Platelet Surface Glycoprotein Ib Does Not Affect Platelet Adhesion Under Flow Conditions. <i>Blood</i> , 1998 , 91, 2353-2359	2.2	36
113	Bulk immunoassays for analysis of extracellular vesicles. <i>Platelets</i> , 2017 , 28, 242-248	3.6	34
112	The Ability of Extracellular Vesicles to Induce a Pro-Inflammatory Host Response. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	32
111	Extracellular Vesicles from Red Blood Cell Products Induce a Strong Pro-Inflammatory Host Response, Dependent on Both Numbers and Storage Duration. <i>Transfusion Medicine and Hemotherapy</i> , 2016 , 43, 302-305	4.2	31
110	Accumulation of bioactive lipids during storage of blood products is not cell but plasma derived and temperature dependent. <i>Transfusion</i> , 2011 , 51, 2358-66	2.9	31
109	Cellular origin of platelet-derived microparticles in vivo. <i>Thrombosis Research</i> , 2010 , 126, e255-9	8.2	31
108	Towards defining reference materials for measuring extracellular vesicle refractive index, epitope abundance, size and concentration. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1816641	16.4	31
107	Platelet extracellular vesicles as biomarkers for arterial thrombosis. <i>Platelets</i> , 2017 , 28, 228-234	3.6	30
106	Circulating platelet-derived and placenta-derived microparticles expose Flt-1 in preeclampsia. <i>Reproductive Sciences</i> , 2008 , 15, 1002-10	3	30
105	Circulating microparticles remain associated with complement activation despite intensive anti-inflammatory therapy in early rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2010 , 69, 1378-82	2.4	29

104	Insulin inhibits tissue factor expression in monocytes. <i>Journal of Thrombosis and Haemostasis</i> , 2009 , 7, 198-205	15.4	29
103	Deriving Extracellular Vesicle Size From Scatter Intensities Measured by Flow Cytometry. <i>Current Protocols in Cytometry</i> , 2018 , 86, e43	3.6	29
102	Cell-derived microparticles and complement activation in preeclampsia versus normal pregnancy. <i>Placenta</i> , 2007 , 28, 928-35	3.4	27
101	Ticagrelor attenuates the increase of extracellular vesicle concentrations in plasma after acute myocardial infarction compared to clopidogrel. <i>Journal of Thrombosis and Haemostasis</i> , 2020 , 18, 609-623	15.4	27
100	Microparticles and exosomes in gynecologic neoplasias. <i>Seminars in Thrombosis and Hemostasis</i> , 2010 , 36, 925-9	5.3	26
99	Microparticles in vascular disorders: how tissue factor-exposing vesicles contribute to pathology and physiology. <i>Thrombosis Research</i> , 2012 , 130 Suppl 1, S71-3	8.2	25
98	Extracellular vesicles and coagulation in blood from healthy humans revisited. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1688936	16.4	25
97	Transglutaminase 2 is secreted from smooth muscle cells by transamidation-dependent microparticle formation. <i>Amino Acids</i> , 2012 , 42, 961-73	3.5	24
96	Lamin A/C mutation is independently associated with an increased risk of arterial and venous thromboembolic complications. <i>International Journal of Cardiology</i> , 2013 , 168, 472-7	3.2	24
95	Centrifugation affects the purity of liquid biopsy-based tumor biomarkers. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018 , 93, 1207-1212	4.6	24
94	Predilution versus postdilution during continuous venovenous hemofiltration: a comparison of circuit thrombogenesis. <i>ASAIO Journal</i> , 2006 , 52, 416-22	3.6	23
93	Helium induces preconditioning in human endothelium in vivo. <i>Anesthesiology</i> , 2013 , 118, 95-104	4.3	23
92	Monocyte-mediated activation of endothelial cells occurs only after binding to extracellular vesicles from red blood cell products, a process mediated by β Integrin. <i>Transfusion</i> , 2016 , 56, 3012-3020	2.9	22
91	Expression of inflammation-related genes in endothelial cells is not directly affected by microparticles from preeclamptic patients. <i>Translational Research</i> , 2006 , 147, 310-20		22
90	Toll-Like Receptor Signalling Is Not Involved in Platelet Response to Streptococcus pneumoniae In Vitro or In Vivo. <i>PLoS ONE</i> , 2016 , 11, e0156977	3.7	22
89	Disappearance of glycoprotein Ib from the platelet surface in pericardial blood during cardiopulmonary bypass. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1998 , 115, 1160-5	1.5	21
88	Extracellular vesicles exposing tissue factor for the prediction of venous thromboembolism in patients with cancer: A prospective cohort study. <i>Thrombosis Research</i> , 2018 , 166, 54-59	8.2	20
87	Embryology, anatomy, physiology and pathophysiology of the peritoneum and the peritoneal vasculature. <i>Seminars in Cell and Developmental Biology</i> , 2019 , 92, 27-36	7.5	20

86	Essentials of extracellular vesicles: posters on basic and clinical aspects of extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1548234	16.4	20
85	Reduced complement activation during cardiopulmonary bypass does not affect the postoperative acute phase response. <i>European Journal of Cardio-thoracic Surgery</i> , 2004 , 26, 926-31	3	19
84	Evaluation of coagulation activation after rhinovirus infection in patients with asthma and healthy control subjects: an observational study. <i>Respiratory Research</i> , 2014 , 15, 14	7.3	18
83	Plasma markers of coagulation and endothelial activation in Fabry disease: impact of renal impairment. <i>Nephrology Dialysis Transplantation</i> , 2009 , 24, 3074-81	4.3	18
82	Prolactin does not affect human platelet aggregation or secretion. <i>Thrombosis and Haemostasis</i> , 2009 , 101, 1119-1127	7	18
81	Glycan-Modified Apoptotic Melanoma-Derived Extracellular Vesicles as Antigen Source for Anti-Tumor Vaccination. <i>Cancers</i> , 2019 , 11,	6.6	17
80	Label-free identification and chemical characterisation of single extracellular vesicles and lipoproteins by synchronous Rayleigh and Raman scattering. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1730134	16.4	16
79	Inter-laboratory comparison on the size and stability of monodisperse and bimodal synthetic reference particles for standardization of extracellular vesicle measurements. <i>Measurement Science and Technology</i> , 2016 , 27, 035701	2	16
78	Human alternatively spliced tissue factor is not secreted and does not trigger coagulation. <i>Journal of Thrombosis and Haemostasis</i> , 2009 , 7, 1423-6	15.4	16
77	C-reactive protein in myocardial infarction binds to circulating microparticles but is not associated with complement activation. <i>Clinical Immunology</i> , 2010 , 135, 490-5	9	16
76	The influence of aspirin dose and glyceimic control on platelet inhibition in patients with type 2 diabetes mellitus. <i>Journal of Thrombosis and Haemostasis</i> , 2012 , 10, 639-46	15.4	15
75	Systemic changes in haemostatic balance are not associated with increased levels of circulating microparticles in women with recurrent spontaneous abortion. <i>American Journal of Reproductive Immunology</i> , 2008 , 59, 159-66	3.8	15
74	Aprotinin administration in the pericardial cavity does not prevent platelet activation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2000 , 120, 552-7	1.5	15
73	The P4-ATPase ATP9A is a novel determinant of exosome release. <i>PLoS ONE</i> , 2019 , 14, e0213069	3.7	14
72	Activated protein C inhibits neutrophil migration in allergic asthma: a randomised trial. <i>European Respiratory Journal</i> , 2015 , 46, 1636-44	13.6	14
71	Hormone replacement therapy leads to increased plasma levels of platelet derived microparticles in postmenopausal women. <i>Archives of Gynecology and Obstetrics</i> , 2012 , 285, 1035-41	2.5	14
70	Microparticles for diagnosis of graft-versus-host disease after allogeneic stem transplantation. <i>Transplantation</i> , 2011 , 92, 244-50	1.8	14
69	Improvement of cognitive test performance in patients undergoing primary CABG and other CPB-assisted cardiac procedures. <i>Perfusion (United Kingdom)</i> , 2008 , 23, 267-73	1.9	14

68	Retransfusion of pericardial blood does not trigger systemic coagulation during cardiopulmonary bypass. <i>European Journal of Cardio-thoracic Surgery</i> , 2007 , 31, 1029-36	3	14
67	Generation of platelet-derived microparticles in patients undergoing cardiac surgery is not affected by complement activation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2003 , 126, 1101-6	1.5	14
66	P2Y12 antagonist ticagrelor inhibits the release of procoagulant extracellular vesicles from activated platelets. <i>Cardiology Journal</i> , 2019 , 26, 782-789	1.4	14
65	Platelet-Derived Extracellular Vesicles 2019 , 401-416		13
64	Microparticles of pregnant women and preeclamptic patients activate endothelial cells in the presence of monocytes. <i>American Journal of Reproductive Immunology</i> , 2012 , 67, 206-15	3.8	12
63	Complement activation on the surface of cell-derived microparticles during cardiac surgery with cardiopulmonary bypass - is retransfusion of pericardial blood harmful?. <i>Perfusion (United Kingdom)</i> , 2011 , 26, 21-9	1.9	12
62	Cellular origin of microparticles exposing tissue factor in cancer: a mixed double?. <i>Journal of Thrombosis and Haemostasis</i> , 2008 , 6, 1514-6	15.4	12
61	Cell Saver device efficiently removes cell-derived microparticles during cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007 , 134, 798-9	1.5	12
60	Saccharomyces cerevisiae-derived HBsAg preparations differ in their attachment to monocytes, immune-suppressive potential, and T-cell immunogenicity. <i>Journal of Medical Virology</i> , 2003 , 70, 513-9	19.7	12
59	Randomized controlled trial protocol to investigate the antiplatelet therapy effect on extracellular vesicles (AFFECT EV) in acute myocardial infarction. <i>Platelets</i> , 2020 , 31, 26-32	3.6	12
58	The acute effect of beta-guanidinopropionic acid versus creatine or placebo in healthy men (ABC-Trial): A randomized controlled first-in-human trial. <i>British Journal of Clinical Pharmacology</i> , 2017 , 83, 2626-2635	3.8	11
57	Platelets are Hyperactivated but Show Reduced Glycoprotein VI Reactivity in COVID-19 Patients. <i>Thrombosis and Haemostasis</i> , 2021 , 121, 1258-1262	7	11
56	Effects of helium on inflammatory and oxidative stress-induced endothelial cell damage. <i>Experimental Cell Research</i> , 2015 , 337, 37-43	4.2	10
55	Platelet removal by single-step centrifugation. <i>Platelets</i> , 2021 , 32, 440-443	3.6	10
54	Postprandial changes in the phospholipid composition of circulating microparticles are not associated with coagulation activation. <i>Thrombosis Research</i> , 2012 , 130, 115-21	8.2	10
53	Detection of extracellular vesicles in plasma and urine of prostate cancer patients by flow cytometry and surface plasmon resonance imaging. <i>PLoS ONE</i> , 2020 , 15, e0233443	3.7	9
52	A Systematic Approach to Improve Scatter Sensitivity of a Flow Cytometer for Detection of Extracellular Vesicles. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020 , 97, 582-591	4.6	9
51	Extracellular vesicles in human follicular fluid do not promote coagulation. <i>Reproductive BioMedicine Online</i> , 2016 , 33, 652-655	4	9

50	Surveillance of megakaryocytic function by measurement of CD61-exposing microparticles in allogeneic hematopoietic stem cell recipients. <i>Clinical Transplantation</i> , 2011 , 25, E233-42	3.8	9
49	Tissue Factor Coagulant Activity is Regulated by the Plasma Membrane Microenvironment. <i>Thrombosis and Haemostasis</i> , 2018 , 118, 990-1000	7	8
48	Differential effects of nonselective versus selective β blockers on cardiac sympathetic activity and hemostasis in patients with heart failure. <i>Journal of Nuclear Medicine</i> , 2013 , 54, 1733-9	8.9	8
47	Role of P2Y Receptors in Platelet Extracellular Vesicle Release. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	8
46	Reliable measurements of extracellular vesicles by clinical flow cytometry. <i>American Journal of Reproductive Immunology</i> , 2021 , 85, e13350	3.8	8
45	Cellular origin and microRNA profiles of circulating extracellular vesicles in different stages of diabetic nephropathy. <i>CKJ: Clinical Kidney Journal</i> , 2021 , 14, 358-365	4.5	8
44	Toward standardization of assays measuring extracellular vesicle-associated tissue factor activity. <i>Journal of Thrombosis and Haemostasis</i> , 2019 , 17, 1261-1264	15.4	7
43	Helium alters the cytoskeleton and decreases permeability in endothelial cells cultured in vitro through a pathway involving Caveolin-1. <i>Scientific Reports</i> , 2018 , 8, 4768	4.9	7
42	Human milk triggers coagulation via tissue factor-exposing extracellular vesicles. <i>Blood Advances</i> , 2020 , 4, 6274-6282	7.8	6
41	Platelet-Derived Microparticles 2013 , 453-467		6
40	The functions of microparticles in preeclampsia. <i>Pregnancy Hypertension</i> , 2011 , 1, 59-65	2.6	6
39	Climacteric lowers plasma levels of platelet-derived microparticles: a pilot study in pre- versus postmenopausal women. <i>Acta Haematologica</i> , 2012 , 128, 53-9	2.7	6
38	Platelet-Derived Microparticles 2007 , 403-413		6
37	Negative regulation of the platelet Na ⁺ /H ⁺ exchanger by trimeric G-proteins. <i>FEBS Journal</i> , 2000 , 267, 7102-8		6
36	Effect of epinephrine on the regulation of Na ⁺ /H ⁺ exchange in human platelets. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1993 , 1148, 185-90	3.8	6
35	Extracellular Vesicles in Human Milk. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	6
34	Poor perfusion of the microvasculature in peritoneal metastases of ovarian cancer. <i>Clinical and Experimental Metastasis</i> , 2020 , 37, 293-304	4.7	6
33	Prostacyclin Analogues Inhibit Platelet Reactivity, Extracellular Vesicle Release and Thrombus Formation in Patients with Pulmonary Arterial Hypertension. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	6

32	Urinary mitochondrial DNA associates with delayed graft function following renal transplantation. <i>Nephrology Dialysis Transplantation</i> , 2020 , 35, 1320-1327	4.3	6
31	Schistosoma mansoni infection affects the proteome and lipidome of circulating extracellular vesicles in the host. <i>Molecular and Biochemical Parasitology</i> , 2020 , 238, 111296	1.9	5
30	Congenital deficiency of factor XIII caused by two missense mutations in a Dutch family. <i>Haemophilia</i> , 2005 , 11, 539-47	3.3	5
29	Transfusion of autologous extracellular vesicles from stored red blood cells does not affect coagulation in a model of human endotoxemia. <i>Transfusion</i> , 2018 , 58, 1486-1493	2.9	4
28	Clearance and phenotype of extracellular vesicles after red blood cell transfusion in a human endotoxemia model. <i>Transfusion and Apheresis Science</i> , 2019 , 58, 508-511	2.4	4
27	Activated human platelet products induce proarrhythmic effects in ventricular myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 51, 347-56	5.8	4
26	Quantification of Light Scattering Detection Efficiency and Background in Flow Cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021 , 99, 671-679	4.6	4
25	Standardized procedure to measure the size distribution of extracellular vesicles together with other particles in biofluids with microfluidic resistive pulse sensing. <i>PLoS ONE</i> , 2021 , 16, e0249603	3.7	4
24	Mesenchymal stem cell-derived extracellular vesicles conditionally ameliorate bone marrow failure symptoms in an immune-mediated aplastic anemia mouse model. <i>Journal of Cellular Physiology</i> , 2021 , 236, 6055-6067	7	4
23	Methods for the identification and characterization of extracellular vesicles in cardiovascular studies - from exosomes to microvesicles.. <i>Cardiovascular Research</i> , 2022 ,	9.9	4
22	Minimum information to report about a flow cytometry experiment on extracellular vesicles: Communication from the ISTH SSC subcommittee on vascular biology. <i>Journal of Thrombosis and Haemostasis</i> , 2021 , 20, 245	15.4	3
21	Theme 1: Pathogenesis of venous thromboembolism (and post-thrombotic syndrome). <i>Thrombosis Research</i> , 2015 , 136 Suppl 1, S3-7	8.2	2
20	Acetylsalicylic acid prevents platelet-induced proarrhythmic effects on intracellular Ca ²⁺ homeostasis in ventricular myocytes. <i>International Journal of Cardiology</i> , 2013 , 167, 303-5	3.2	2
19	EDTA stabilizes the concentration of platelet-derived extracellular vesicles during blood collection and handling. <i>Platelets</i> , 2021 , 1-8	3.6	2
18	Plasma Concentrations of Extracellular Vesicles Are Decreased in Patients with Post-Infarct Cardiac Remodelling. <i>Biology</i> , 2021 , 10,	4.9	2
17	Human bone marrow contains high levels of extracellular vesicles with a tissue-specific subtype distribution. <i>PLoS ONE</i> , 2018 , 13, e0207950	3.7	2
16	Reproducibility of extracellular vesicle research.. <i>European Journal of Cell Biology</i> , 2022 , 101, 151226	6.1	2
15	Placental corticotrophin-releasing hormone mRNA and microparticles in maternal plasma are not measures of placental shedding of debris: a rebuttal. <i>Journal of Thrombosis and Haemostasis</i> , 2008 , 6, 1837-8; author reply 1838-9	15.4	1

14	The high alkaline fraction on isoelectric focusing of cerebrospinal fluid is cystatin C. <i>Journal of the Neurological Sciences</i> , 1998 , 157, 105-8	3.2	1
13	Processing methods of donor human milk evaluated by a blood plasma clotting assay. <i>Innovative Food Science and Emerging Technologies</i> , 2022 , 76, 102938	6.8	1
12	A New Microparticle Coagulant Activity Assay to Predict Venous Thromboembolism in Patients with Pancreatic Cancer. <i>Blood</i> , 2014 , 124, 4250-4250	2.2	1
11	Intraperitoneal Activation of Coagulation and Fibrinolysis in Patients with Cirrhosis and Ascites. <i>Thrombosis and Haemostasis</i> , 2021 ,	7	1
10	Secreted therapeutics: monitoring durability of microRNA-based gene therapies in the central nervous system. <i>Brain Communications</i> , 2021 , 3, fcab054	4.5	0
9	Altered platelet contents in survivors of early ischemic ventricular fibrillation: preliminary findings. <i>Platelets</i> , 2014 , 25, 71-4	3.6	
8	Na ⁺ /H ⁺ Exchange in Platelets. <i>Advances in Molecular and Cell Biology</i> , 1997 , 353-366		
7	Overview of Extracellular Vesicles in Health and Disease 2014 , 1-46		
6	Bone Marrow Contains High Levels of Microparticles. <i>Blood</i> , 2014 , 124, 5145-5145	2.2	
5	Extracellular vesicles from human plasma and serum are carriers of extravesicular cargo Implications for biomarker discovery 2020 , 15, e0236439		
4	Extracellular vesicles from human plasma and serum are carriers of extravesicular cargo Implications for biomarker discovery 2020 , 15, e0236439		
3	Extracellular vesicles from human plasma and serum are carriers of extravesicular cargo Implications for biomarker discovery 2020 , 15, e0236439		
2	Extracellular vesicles from human plasma and serum are carriers of extravesicular cargo Implications for biomarker discovery 2020 , 15, e0236439		
1	Protocol for Measuring Concentrations of Extracellular Vesicles in Human Blood Plasma with Flow Cytometry.. <i>Methods in Molecular Biology</i> , 2022 , 2504, 55-75	1.4	