

Meinrad Gawaz

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.

237
papers

14,836
citations

53
h-index

118
g-index

255
ext. papers

17,520
ext. citations

7.1
avg, IF

6.81
L-index

#	Paper	IF	Citations
237	Getting to the site of inflammation: the leukocyte adhesion cascade updated. <i>Nature Reviews Immunology</i> , 2007 , 7, 678-89	36.5	2949
236	Platelets in inflammation and atherogenesis. <i>Journal of Clinical Investigation</i> , 2005 , 115, 3378-84	15.9	933
235	Circulating activated platelets exacerbate atherosclerosis in mice deficient in apolipoprotein E. <i>Nature Medicine</i> , 2003 , 9, 61-7	50.5	820
234	A critical role of platelet adhesion in the initiation of atherosclerotic lesion formation. <i>Journal of Experimental Medicine</i> , 2002 , 196, 887-96	16.6	661
233	Immunity and Inflammation in Atherosclerosis. <i>Circulation Research</i> , 2019 , 124, 315-327	15.7	427
232	Low response to clopidogrel is associated with cardiovascular outcome after coronary stent implantation. <i>European Heart Journal</i> , 2006 , 27, 2420-5	9.5	393
231	Monocyte and macrophage dynamics during atherogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 1506-16	9.4	390
230	Platelets secrete stromal cell-derived factor 1alpha and recruit bone marrow-derived progenitor cells to arterial thrombi in vivo. <i>Journal of Experimental Medicine</i> , 2006 , 203, 1221-33	16.6	355
229	Blockade of interleukin-17A results in reduced atherosclerosis in apolipoprotein E-deficient mice. <i>Circulation</i> , 2010 , 121, 1746-55	16.7	317
228	Role of platelets in coronary thrombosis and reperfusion of ischemic myocardium. <i>Cardiovascular Research</i> , 2004 , 61, 498-511	9.9	293
227	Monocyte trafficking across the vessel wall. <i>Cardiovascular Research</i> , 2015 , 107, 321-30	9.9	244
226	Platelet-derived stromal cell-derived factor-1 regulates adhesion and promotes differentiation of human CD34+ cells to endothelial progenitor cells. <i>Circulation</i> , 2008 , 117, 206-15	16.7	233
225	Atlas of the Immune Cell Repertoire in Mouse Atherosclerosis Defined by Single-Cell RNA-Sequencing and Mass Cytometry. <i>Circulation Research</i> , 2018 , 122, 1675-1688	15.7	212
224	Platelet-derived HMGB1 is a critical mediator of thrombosis. <i>Journal of Clinical Investigation</i> , 2015 , 125, 4638-54	15.9	190
223	CYP2C19 and nongenetic factors predict poor responsiveness to clopidogrel loading dose after coronary stent implantation. <i>Pharmacogenomics</i> , 2008 , 9, 1251-9	2.6	189
222	Novel antiplatelet drug revacept (Dimeric Glycoprotein VI-Fc) specifically and efficiently inhibited collagen-induced platelet aggregation without affecting general hemostasis in humans. <i>Circulation</i> , 2011 , 123, 1891-9	16.7	170
221	Platelets induce differentiation of human CD34+ progenitor cells into foam cells and endothelial cells. <i>FASEB Journal</i> , 2006 , 20, 2559-61	0.9	170

220	Adherent platelets recruit and induce differentiation of murine embryonic endothelial progenitor cells to mature endothelial cells in vitro. <i>Circulation Research</i> , 2006 , 98, e2-10	15.7	146
219	Neutrophil adhesion and activation under flow. <i>Microcirculation</i> , 2009 , 16, 31-42	2.9	140
218	Platelets: inflammatory firebugs of vascular walls. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, s5-10	9.4	137
217	Soluble glycoprotein VI dimer inhibits platelet adhesion and aggregation to the injured vessel wall in vivo. <i>FASEB Journal</i> , 2004 , 18, 397-9	0.9	137
216	Atherosclerosis. <i>Circulation Research</i> , 2018 , 123, 1118-1120	15.7	136
215	Platelet GPIIb/IIIa a mediator and potential interventional target for NASH and subsequent liver cancer. <i>Nature Medicine</i> , 2019 , 25, 641-655	50.5	123
214	Platelets in tissue repair: control of apoptosis and interactions with regenerative cells. <i>Blood</i> , 2013 , 122, 2550-4	2.2	123
213	Expression of stromal-cell-derived factor-1 on circulating platelets is increased in patients with acute coronary syndrome and correlates with the number of CD34+ progenitor cells. <i>European Heart Journal</i> , 2009 , 30, 584-93	9.5	115
212	The serum- and glucocorticoid-inducible kinase 1 (SGK1) influences platelet calcium signaling and function by regulation of Orai1 expression in megakaryocytes. <i>Blood</i> , 2012 , 119, 251-61	2.2	105
211	EMMPRIN and its ligand cyclophilin A regulate MT1-MMP, MMP-9 and M-CSF during foam cell formation. <i>Atherosclerosis</i> , 2010 , 209, 51-7	3.1	99
210	Antibody-induced procoagulant platelets in severe COVID-19 infection. <i>Blood</i> , 2021 , 137, 1061-1071	2.2	86
209	Early but not late stent thrombosis is influenced by residual platelet aggregation in patients undergoing coronary interventions. <i>European Heart Journal</i> , 2010 , 31, 59-66	9.5	85
208	Role of the endothelial surface layer in neutrophil recruitment. <i>Journal of Leukocyte Biology</i> , 2015 , 98, 503-15	6.5	84
207	Engagement of $\alpha\text{IIb}\beta\text{3}$ (GPIIb/IIIa) with β1 integrin mediates interaction of melanoma cells with platelets: a connection to hematogenous metastasis. <i>Journal of Biological Chemistry</i> , 2012 , 287, 2168-78 ^{5.4}		83
206	Expression of platelet collagen receptor glycoprotein VI is associated with acute coronary syndrome. <i>European Heart Journal</i> , 2006 , 27, 2165-9	9.5	81
205	Platelet GPVI binds to collagenous structures in the core region of human atheromatous plaque and is critical for atheroprogession in vivo. <i>Basic Research in Cardiology</i> , 2008 , 103, 356-67	11.8	79
204	MIF interacts with CXCR7 to promote receptor internalization, ERK1/2 and ZAP-70 signaling, and lymphocyte chemotaxis. <i>FASEB Journal</i> , 2015 , 29, 4497-511	0.9	78
203	Impaired cardiac function is associated with mortality in patients with acute COVID-19 infection. <i>Clinical Research in Cardiology</i> , 2020 , 109, 1491-1499	6.1	74

202	Antisense-mediated exon skipping: a therapeutic strategy for titin-based dilated cardiomyopathy. <i>EMBO Molecular Medicine</i> , 2015 , 7, 562-76	12	74
201	Platelet lipoprotein interplay: trigger of foam cell formation and driver of atherosclerosis. <i>Cardiovascular Research</i> , 2008 , 78, 8-17	9.9	72
200	EMMPRIN (CD147) is a novel receptor for platelet GPVI and mediates platelet rolling via GPVI-EMMPRIN interaction. <i>Thrombosis and Haemostasis</i> , 2009 , 101, 682-6	7	71
199	Macrophage migration inhibitory factor limits activation-induced apoptosis of platelets via CXCR7-dependent Akt signaling. <i>Circulation Research</i> , 2014 , 115, 939-49	15.7	69
198	CCR5+T-bet+FoxP3+ Effector CD4 T Cells Drive Atherosclerosis. <i>Circulation Research</i> , 2016 , 118, 1540-52	15.7	68
197	The bispecific SDF1-GPVI fusion protein preserves myocardial function after transient ischemia in mice. <i>Circulation</i> , 2012 , 125, 685-96	16.7	67
196	Clinical and histopathological features of patients with systemic sclerosis undergoing endomyocardial biopsy. <i>PLoS ONE</i> , 2015 , 10, e0126707	3.7	66
195	The dimeric platelet collagen receptor GPVI-Fc reduces platelet adhesion to activated endothelium and preserves myocardial function after transient ischemia in mice. <i>American Journal of Physiology - Cell Physiology</i> , 2012 , 303, C757-66	5.4	63
194	PI3 kinase-dependent stimulation of platelet migration by stromal cell-derived factor 1 (SDF-1). <i>Journal of Molecular Medicine</i> , 2010 , 88, 1277-88	5.5	63
193	Extracellular cyclophilin A activates platelets via EMMPRIN (CD147) and PI3K/Akt signaling, which promotes platelet adhesion and thrombus formation in vitro and in vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 655-63	9.4	60
192	Effect of aspiration thrombectomy on microvascular obstruction in NSTEMI patients: the TATORT-NSTEMI trial. <i>Journal of the American College of Cardiology</i> , 2014 , 64, 1117-24	15.1	60
191	Mechanisms by which diabetes increases cardiovascular disease. <i>Drug Discovery Today Disease Mechanisms</i> , 2007 , 4, 131-140		60
190	Regulation of oxidized platelet lipidome: implications for coronary artery disease. <i>European Heart Journal</i> , 2017 , 38, 1993-2005	9.5	58
189	Natural variation of macrophage activation as disease-relevant phenotype predictive of inflammation and cancer survival. <i>Nature Communications</i> , 2017 , 8, 16041	17.4	58
188	Protein kinase C isoforms in neutrophil adhesion and activation. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2011 , 59, 79-87	4	57
187	Histopathological and Immunological Characteristics of Tachycardia-Induced Cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2017 , 69, 2160-2172	15.1	56
186	Surface expression of collagen receptor Fc receptor-gamma/glycoprotein VI is enhanced on platelets in type 2 diabetes and mediates release of CD40 ligand and activation of endothelial cells. <i>Diabetes</i> , 2004 , 53, 2117-21	0.9	56
185	Platelets in regeneration. <i>Seminars in Thrombosis and Hemostasis</i> , 2010 , 36, 175-84	5.3	55

184	Regulation of STIM1/Orai1-dependent Ca ²⁺ signalling in platelets. <i>Thrombosis and Haemostasis</i> , 2013 , 110, 925-30	7	53
183	Lymphocyte migration into atherosclerotic plaque. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 40-9	9.4	52
182	Neutrophil rolling at high shear: flattening, catch bond behavior, tethers and slings. <i>Molecular Immunology</i> , 2013 , 55, 59-69	4.3	52
181	Functional Relevance of the Anaphylatoxin Receptor C3aR for Platelet Function and Arterial Thrombus Formation Marks an Intersection Point Between Innate Immunity and Thrombosis. <i>Circulation</i> , 2018 , 138, 1720-1735	16.7	52
180	The NLRP3 inflammasome and bruton β tyrosine kinase in platelets co-regulate platelet activation, aggregation, and in vitro thrombus formation. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 483, 230-236	3.4	50
179	Expression of stromal cell-derived factor-1 receptors CXCR4 and CXCR7 on circulating platelets of patients with acute coronary syndrome and association with left ventricular functional recovery. <i>European Heart Journal</i> , 2014 , 35, 386-94	9.5	50
178	Platelets induce apoptosis via membrane-bound FasL. <i>Blood</i> , 2015 , 126, 1483-93	2.2	50
177	The GPVI-Fc fusion protein Revacept reduces thrombus formation and improves vascular dysfunction in atherosclerosis without any impact on bleeding times. <i>PLoS ONE</i> , 2013 , 8, e71193	3.7	48
176	SDF-1 α induces differential trafficking of CXCR4-CXCR7 involving cyclophilin A, CXCR7 ubiquitination and promotes platelet survival. <i>FASEB Journal</i> , 2014 , 28, 2864-78	0.9	47
175	Beyond vascular inflammation--recent advances in understanding atherosclerosis. <i>Cellular and Molecular Life Sciences</i> , 2015 , 72, 3853-69	10.3	46
174	Anti-platelet factor 4 antibodies causing VITT do not cross-react with SARS-CoV-2 spike protein. <i>Blood</i> , 2021 , 138, 1269-1277	2.2	46
173	Vaccination to modulate atherosclerosis. <i>Autoimmunity</i> , 2015 , 48, 152-60	3	45
172	Identification of key lipids critical for platelet activation by comprehensive analysis of the platelet lipidome. <i>Blood</i> , 2018 , 132, e1-e12	2.2	45
171	Platelet collagen receptor glycoprotein VI as a possible novel indicator for the acute coronary syndrome. <i>American Heart Journal</i> , 2008 , 156, 193-200	4.9	44
170	Individualized antithrombotic therapy in high risk patients after coronary stenting. A double-edged sword between thrombosis and bleeding. <i>Thrombosis and Haemostasis</i> , 2008 , 99, 487-93	7	44
169	Gremlin-1 is an inhibitor of macrophage migration inhibitory factor and attenuates atherosclerotic plaque growth in ApoE ^{-/-} Mice. <i>Journal of Biological Chemistry</i> , 2013 , 288, 31635-45	5.4	43
168	Interleukin 17 in vascular inflammation. <i>Cytokine and Growth Factor Reviews</i> , 2010 , 21, 463-9	17.9	43
167	The immunoadhesin glycoprotein VI-Fc regulates arterial remodelling after mechanical injury in ApoE ^{-/-} mice. <i>Cardiovascular Research</i> , 2008 , 80, 131-7	9.9	43

166	Pivotal role of serum- and glucocorticoid-inducible kinase 1 in vascular inflammation and atherogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 547-57	9.4	42
165	Effect of the oxLDL binding protein Fc-CD68 on plaque extension and vulnerability in atherosclerosis. <i>Circulation Research</i> , 2011 , 108, 695-703	15.7	42
164	Involvement Of Vascular Aldosterone Synthase In Phosphate-Induced Osteogenic Transformation Of Vascular Smooth Muscle Cells. <i>Scientific Reports</i> , 2017 , 7, 2059	4.9	41
163	Regulation of platelet glycoprotein VI (GPVI) surface expression and of soluble GPVI in patients with atrial fibrillation (AF) and acute coronary syndrome (ACS). <i>Basic Research in Cardiology</i> , 2009 , 104, 352-7	11.8	39
162	Platelets in regenerative medicine. <i>Basic Research in Cardiology</i> , 2008 , 103, 299-307	11.8	37
161	Platelets in the onset of atherosclerosis. <i>Blood Cells, Molecules, and Diseases</i> , 2006 , 36, 206-10	2.1	37
160	Generation of functional culture-derived platelets from CD34+ progenitor cells to study transgenes in the platelet environment. <i>Circulation Research</i> , 2004 , 95, e36-44	15.7	37
159	Platelet-derived high-mobility group box 1 promotes recruitment and suppresses apoptosis of monocytes. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 478, 143-148	3.4	35
158	Methods employed for induction and analysis of experimental myocardial infarction in mice. <i>Cellular Physiology and Biochemistry</i> , 2011 , 28, 1-12	3.9	34
157	Activated platelets interfere with recruitment of mesenchymal stem cells to apoptotic cardiac cells via high mobility group box 1/Toll-like receptor 4-mediated down-regulation of hepatocyte growth factor receptor MET. <i>Journal of Biological Chemistry</i> , 2014 , 289, 11068-11082	5.4	33
156	Pharmacogenomic polygenic response score predicts ischaemic events and cardiovascular mortality in clopidogrel-treated patients. <i>European Heart Journal - Cardiovascular Pharmacotherapy</i> , 2020 , 6, 203-214	6.4	33
155	Thrombin-induced cytoskeleton dynamics in spread human platelets observed with fast scanning ion conductance microscopy. <i>Scientific Reports</i> , 2017 , 7, 4810	4.9	32
154	Anticoagulation after catheter ablation of atrial fibrillation guided by implantable cardiac monitors. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2015 , 38, 688-93	1.6	31
153	Binding of oxidized low-density lipoprotein on circulating platelets is increased in patients with acute coronary syndromes and induces platelet adhesion to vascular wall in vivo--brief report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 2017-20	9.4	31
152	Non-invasive imaging of glycoprotein VI binding to injured arterial lesions. <i>Thrombosis and Haemostasis</i> , 2005 , 93, 910-3	7	31
151	Comprehensive MS/MS profiling by UHPLC-ESI-QTOF-MS/MS using SWATH data-independent acquisition for the study of platelet lipidomes in coronary artery disease. <i>Analytica Chimica Acta</i> , 2019 , 1046, 1-15	6.6	30
150	Pivotal role of phospholipase D1 in tumor necrosis factor- β -mediated inflammation and scar formation after myocardial ischemia and reperfusion in mice. <i>American Journal of Pathology</i> , 2014 , 184, 2450-64	5.8	29
149	Cre/lox-assisted non-invasive in vivo tracking of specific cell populations by positron emission tomography. <i>Nature Communications</i> , 2017 , 8, 444	17.4	28

148	Cardiovascular magnetic resonance patterns of biopsy proven cardiac involvement in systemic sclerosis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016 , 18, 70	6.9	26
147	Inhibition of miR-208b improves cardiac function in titin-based dilated cardiomyopathy. <i>International Journal of Cardiology</i> , 2017 , 230, 634-641	3.2	26
146	Imaging the elastic modulus of human platelets during thrombin-induced activation using scanning ion conductance microscopy. <i>Thrombosis and Haemostasis</i> , 2015 , 113, 305-11	7	26
145	Vascular risk levels affect the predictive value of platelet reactivity for the occurrence of MACE in patients on clopidogrel. Systematic review and meta-analysis of individual patient data. <i>Thrombosis and Haemostasis</i> , 2016 , 115, 844-55	7	26
144	CK2 β regulates thrombopoiesis and Ca-triggered platelet activation in arterial thrombosis. <i>Blood</i> , 2017 , 130, 2774-2785	2.2	25
143	Role of chemokine receptors CXCR4 and CXCR7 for platelet function. <i>Biochemical Society Transactions</i> , 2015 , 43, 720-6	5.1	25
142	Evaluation of clinical risk factors to predict high on-treatment platelet reactivity and outcome in patients with stable coronary artery disease (PREDICT-STABLE). <i>PLoS ONE</i> , 2015 , 10, e0121620	3.7	25
141	Gremlin-1 inhibits macrophage migration inhibitory factor-dependent monocyte function and survival. <i>International Journal of Cardiology</i> , 2014 , 176, 923-9	3.2	24
140	Skepinone-L, a novel potent and highly selective inhibitor of p38 MAP kinase, effectively impairs platelet activation and thrombus formation. <i>Cellular Physiology and Biochemistry</i> , 2013 , 31, 914-24	3.9	24
139	Capture of endothelial progenitor cells by a bispecific protein/monoclonal antibody molecule induces reendothelialization of vascular lesions. <i>Journal of Molecular Medicine</i> , 2010 , 88, 687-99	5.5	24
138	Inhibitory mechanisms of very low-dose rivaroxaban in non-ST-elevation myocardial infarction. <i>Blood Advances</i> , 2018 , 2, 715-730	7.8	24
137	Plasma-derived microparticles for biomarker discovery. <i>Clinical Laboratory</i> , 2008 , 54, 67-79	2	24
136	Effects of Mechanical Ventilation on Heart Geometry and Mitral Valve Leaflet Coaptation During Percutaneous Edge-to-Edge Mitral Valve Repair. <i>JACC: Cardiovascular Interventions</i> , 2016 , 9, 151-9	5	23
135	Gremlin-1 identifies fibrosis and predicts adverse outcome in patients with heart failure undergoing endomyocardial biopsy. <i>Journal of Cardiac Failure</i> , 2013 , 19, 678-84	3.3	23
134	Circulating MicroRNA-21 Correlates With Left Atrial Low-Voltage Areas and Is Associated With Procedure Outcome in Patients Undergoing Atrial Fibrillation Ablation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018 , 11, e006242	6.4	23
133	Impact of counterbalance between macrophage migration inhibitory factor and its inhibitor Gremlin-1 in patients with coronary artery disease. <i>Atherosclerosis</i> , 2014 , 237, 426-32	3.1	22
132	High-frequency ultrasound-guided disruption of glycoprotein VI-targeted microbubbles targets atheroprogession in mice. <i>Biomaterials</i> , 2015 , 36, 80-9	15.6	21
131	Dynamics of Microvillus Extension and Tether Formation in Rolling Leukocytes. <i>Cellular and Molecular Bioengineering</i> , 2009 , 2, 207-217	3.9	21

130	Clinical significance of receptor shedding-platelet GPVI as an emerging diagnostic and therapeutic tool. <i>Platelets</i> , 2017 , 28, 362-371	3.6	20
129	PDK1 Determines Collagen-Dependent Platelet Ca ²⁺ Signaling and Is Critical to Development of Ischemic Stroke In Vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 1507-16	9.4	19
128	Event-tracking model of adhesion identifies load-bearing bonds in rolling leukocytes. <i>Microcirculation</i> , 2009 , 16, 115-30	2.9	19
127	CXCL16 is a novel diagnostic marker and predictor of mortality in inflammatory cardiomyopathy and heart failure. <i>International Journal of Cardiology</i> , 2014 , 176, 896-903	3.2	18
126	Genetic deletion of platelet glycoprotein Ib alpha but not its extracellular domain protects from atherosclerosis. <i>Thrombosis and Haemostasis</i> , 2014 , 112, 1252-63	7	18
125	Genotype-Phenotype Association and Impact on Outcomes following Guided De-Escalation of Anti-Platelet Treatment in Acute Coronary Syndrome Patients: The TROPICAL-ACS Genotyping Substudy. <i>Thrombosis and Haemostasis</i> , 2018 , 118, 1656-1667	7	17
124	Inhibition of foam cell formation using a soluble CD68-Fc fusion protein. <i>Journal of Molecular Medicine</i> , 2010 , 88, 909-20	5.5	17
123	Kindlin-3 recruitment to the plasma membrane precedes high-affinity α -integrin and neutrophil arrest from rolling. <i>Blood</i> , 2021 , 137, 29-38	2.2	17
122	A shear-dependent NO-cGMP-cGKI cascade in platelets acts as an auto-regulatory brake of thrombosis. <i>Nature Communications</i> , 2018 , 9, 4301	17.4	16
121	Comparative morphology analysis of live blood platelets using scanning ion conductance and robotic dark-field microscopy. <i>Platelets</i> , 2016 , 27, 541-6	3.6	15
120	Comparison of Deep Sedation With General Anesthesia in Patients Undergoing Percutaneous Mitral Valve Repair. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	15
119	Sildenafil Does Not Prevent Heart Hypertrophy and Fibrosis Induced by Cardiomyocyte Angiotensin II Type 1 Receptor Signaling. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015 , 354, 406-16	4.7	14
118	Implications of glycoprotein VI for theranostics. <i>Thrombosis and Haemostasis</i> , 2014 , 112, 26-31	7	14
117	ADPase CD39 Fused to Glycoprotein VI-Fc Boosts Local Antithrombotic Effects at Vascular Lesions. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	14
116	Endomyocardial expression of SDF-1 predicts mortality in patients with suspected myocarditis. <i>Clinical Research in Cardiology</i> , 2015 , 104, 1033-43	6.1	13
115	Platelet expression of transforming growth factor beta 1 is enhanced and associated with cardiovascular prognosis in patients with acute coronary syndrome. <i>Atherosclerosis</i> , 2014 , 237, 754-9	3.1	13
114	Pressure Overload by Transverse Aortic Constriction Induces Maladaptive Hypertrophy in a Titin-Truncated Mouse Model. <i>BioMed Research International</i> , 2015 , 2015, 163564	3	13
113	Thrombus aspiration in non-ST-elevation myocardial infarction - 12-month clinical outcome of the randomised TATORT-NSTEMI trial. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2017 , 6, 10-17	4.3	12

112	NFAT5-sensitive Orai1 expression and store-operated Ca entry in megakaryocytes. <i>FASEB Journal</i> , 2017 , 31, 3439-3448	0.9	12
111	The platelet NLRP3 inflammasome is upregulated in a murine model of pancreatic cancer and promotes platelet aggregation and tumor growth. <i>Annals of Hematology</i> , 2019 , 98, 1603-1610	3	12
110	SAMP1/YitFc mice develop ileitis via loss of CCL21 and defects in dendritic cell migration. <i>Gastroenterology</i> , 2015 , 148, 783-793.e5	13.3	12
109	Genomewide Association Study of Platelet Reactivity and Cardiovascular Response in Patients Treated With Clopidogrel: A Study by the International Clopidogrel Pharmacogenomics Consortium. <i>Clinical Pharmacology and Therapeutics</i> , 2020 , 108, 1067-1077	6.1	12
108	Improved mitral valve coaptation and reduced mitral valve annular size after percutaneous mitral valve repair (PMVR) using the MitraClip system. <i>European Heart Journal Cardiovascular Imaging</i> , 2018 , 19, 785-791	4.1	12
107	Clinical outcome and paravalvular leakage of the new balloon-expandable Edwards Sapien 3 valve in comparison to its predecessor model (Edwards Sapien XT) in patients undergoing transfemoral aortic valve replacement. <i>Catheterization and Cardiovascular Interventions</i> , 2016 , 88, 466-75	2.7	12
106	Severe autonomic failure as a predictor of mortality in aortic valve stenosis. <i>International Journal of Cardiology</i> , 2014 , 176, 782-7	3.2	12
105	Prevention, but not cure, of autoimmune diabetes in a NOD.scid transfer model by FTY720 despite effective modulation of blood T cells. <i>Autoimmunity</i> , 2011 , 44, 115-28	3	12
104	Dances with leukocytes: how tetraspanin-enriched microdomains assemble to form endothelial adhesive platforms. <i>Journal of Cell Biology</i> , 2008 , 183, 375-6	7.3	12
103	Retroviral infection and selection of culture-derived platelets allows study of the effect of transgenes on platelet physiology ex vivo and on thrombus formation in vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005 , 25, 1750-5	9.4	12
102	Predictors of Mortality in Patients With Biopsy-Proven Viral Myocarditis: 10-Year Outcome Data. <i>Journal of the American Heart Association</i> , 2020 , 9, e015351	6	12
101	AMP-activated protein kinase β -sensitive activation of AP-1 in cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 97, 36-43	5.8	12
100	Platelets as a Novel Source of Pro-Inflammatory Chemokine CXCL14. <i>Cellular Physiology and Biochemistry</i> , 2017 , 41, 1684-1696	3.9	11
99	Imaging fibrosis in inflammatory diseases: targeting the exposed extracellular matrix. <i>Theranostics</i> , 2019 , 9, 2868-2881	12.1	11
98	Periprocedural platelet inhibition with cangrelor in P2Y-inhibitor naïve patients with acute coronary syndromes - A matched-control pharmacodynamic comparison in real-world patients. <i>International Journal of Cardiology</i> , 2016 , 223, 848-851	3.2	11
97	Evidence of an interaction between TGF- β and the SDF-1/CXCR4/CXCR7 axis in human platelets. <i>Thrombosis Research</i> , 2016 , 144, 79-84	8.2	11
96	Pivotal role of PDK1 in megakaryocyte cytoskeletal dynamics and polarization during platelet biogenesis. <i>Blood</i> , 2019 , 134, 1847-1858	2.2	11
95	Deceleration capacity of heart rate predicts 1-year mortality of patients undergoing transcatheter aortic valve implantation. <i>Clinical Cardiology</i> , 2017 , 40, 919-924	3.3	11

94	Percutaneous edge-to-edge mitral valve repair escorted by left atrial intracardiac echocardiography (ICE). <i>Circulation</i> , 2014 , 130, e173-4	16.7	11
93	ReSASC: a resampling-based algorithm to determine differential protein expression from spectral count data. <i>Proteomics</i> , 2010 , 10, 1212-22	4.8	11
92	Percutaneous Edge-to-Edge Mitral Valve Repair Using the New MitraClip XTR System. <i>JACC: Cardiovascular Interventions</i> , 2018 , 11, e93-e95	5	11
91	Annexin A7 deficiency potentiates cardiac NFAT activity promoting hypertrophic signaling. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 445, 244-9	3.4	10
90	Platelet Activation and Plasma Levels of Furin Are Associated With Prognosis of Patients With Coronary Artery Disease and COVID-19. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 2080-2096	9.4	10
89	Immediate increase of cardiac output after percutaneous mitral valve repair (PMVR) determined by echocardiographic and invasive parameters: Patzelt: Increase of cardiac output after PMVR. <i>International Journal of Cardiology</i> , 2017 , 236, 356-362	3.2	9
88	Extracellular Cyclophilin A Augments Platelet-Dependent Thrombosis and Thromboinflammation. <i>Thrombosis and Haemostasis</i> , 2017 , 117, 2063-2078	7	9
87	Sphingosine kinase 1 (Sphk1) negatively regulates platelet activation and thrombus formation. <i>American Journal of Physiology - Cell Physiology</i> , 2014 , 307, C920-7	5.4	9
86	Cell adhesion under flow. <i>Microcirculation</i> , 2009 , 16, 1-2	2.9	9
85	Platelets and COVID-19. <i>Hamostaseologie</i> , 2021 , 41, 379-385	1.9	9
84	Platelet bound oxLDL shows an inverse correlation with plasma anaphylatoxin C5a in patients with coronary artery disease. <i>Platelets</i> , 2016 , 27, 593-597	3.6	9
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