

Karlheinz Peter

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6242985/karlheinz-peter-publications-by-citations.pdf>

Version: 2024-04-27

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.

303
papers

11,646
citations

60
h-index

95
g-index

329
ext. papers

13,756
ext. citations

7.9
avg, IF

6.42
L-index

#	Paper	IF	Citations
303	Engineering multifunctional capsules through the assembly of metal-phenolic networks. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5546-51	16.4	540
302	Microparticles: major transport vehicles for distinct microRNAs in circulation. <i>Cardiovascular Research</i> , 2012 , 93, 633-44	9.9	354
301	Naturally occurring human urinary peptides for use in diagnosis of chronic kidney disease. <i>Molecular and Cellular Proteomics</i> , 2010 , 9, 2424-37	7.6	352
300	The Emerging Threat of (Micro)Thrombosis in COVID-19 and Its Therapeutic Implications. <i>Circulation Research</i> , 2020 , 127, 571-587	15.7	254
299	Recommendations for biomarker identification and qualification in clinical proteomics. <i>Science Translational Medicine</i> , 2010 , 2, 46ps42	17.5	237
298	Clinical proteomics: A need to define the field and to begin to set adequate standards. <i>Proteomics - Clinical Applications</i> , 2007 , 1, 148-56	3.1	237
297	Induction of Fibrinogen Binding and Platelet Aggregation as a Potential Intrinsic Property of Various Glycoprotein IIb/IIIa (?IIbB) Inhibitors. <i>Blood</i> , 1998 , 92, 3240-3249	2.2	233
296	Circulating vascular cell adhesion molecule-1 correlates with the extent of human atherosclerosis in contrast to circulating intercellular adhesion molecule-1, E-selectin, P-selectin, and thrombomodulin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997 , 17, 505-12	9.4	197
295	Dissociation of pentameric to monomeric C-reactive protein on activated platelets localizes inflammation to atherosclerotic plaques. <i>Circulation Research</i> , 2009 , 105, 128-37	15.7	184
294	CD40 ligand mediates inflammation independently of CD40 by interaction with Mac-1. <i>Circulation</i> , 2007 , 115, 1571-80	16.7	176
293	Inhaled nitric oxide inhibits human platelet aggregation, P-selectin expression, and fibrinogen binding in vitro and in vivo. <i>Circulation</i> , 1998 , 97, 1481-7	16.7	173
292	New oral anticoagulant drugs in cardiovascular disease. <i>Thrombosis and Haemostasis</i> , 2010 , 104, 49-60	7	172
291	Urinary proteomic biomarkers in coronary artery disease. <i>Molecular and Cellular Proteomics</i> , 2008 , 7, 290-8	7.6	170
290	Conformation-specific blockade of the integrin GPIIb/IIIa: a novel antiplatelet strategy that selectively targets activated platelets. <i>Circulation Research</i> , 2006 , 99, 25-33	15.7	153
289	Magnetic resonance imaging contrast agent targeted toward activated platelets allows in vivo detection of thrombosis and monitoring of thrombolysis. <i>Circulation</i> , 2008 , 118, 258-67	16.7	147
288	Obligatory Role for B Cells in the Development of Angiotensin II-Dependent Hypertension. <i>Hypertension</i> , 2015 , 66, 1023-33	8.5	134
287	Dissociation of pentameric to monomeric C-reactive protein localizes and aggravates inflammation: in vivo proof of a powerful proinflammatory mechanism and a new anti-inflammatory strategy. <i>Circulation</i> , 2014 , 130, 35-50	16.7	132

286	Implementation of proteomic biomarkers: making it work. <i>European Journal of Clinical Investigation</i> , 2012 , 42, 1027-36	4.6	131
285	Current and future antiplatelet therapies: emphasis on preserving haemostasis. <i>Nature Reviews Cardiology</i> , 2018 , 15, 181-191	14.8	129
284	Novel single-chain antibody-targeted microbubbles for molecular ultrasound imaging of thrombosis: validation of a unique noninvasive method for rapid and sensitive detection of thrombi and monitoring of success or failure of thrombolysis in mice. <i>Circulation</i> , 2012 , 125, 3117-26	16.7	129
283	A novel mouse model of atherosclerotic plaque instability for drug testing and mechanistic/therapeutic discoveries using gene and microRNA expression profiling. <i>Circulation Research</i> , 2013 , 113, 252-65	15.7	124
282	Engineering poly(ethylene glycol) particles for improved biodistribution. <i>ACS Nano</i> , 2015 , 9, 1571-80	16.7	119
281	High-mobility group box protein 1 neutralization reduces development of diet-induced atherosclerosis in apolipoprotein e-deficient mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 313-9	9.4	110
280	Transitional changes in the CRP structure lead to the exposure of proinflammatory binding sites. <i>Nature Communications</i> , 2017 , 8, 14188	17.4	105
279	C-reactive protein: how conformational changes influence inflammatory properties. <i>Cell Cycle</i> , 2009 , 8, 3885-92	4.7	102
278	Heparin inhibits ligand binding to the leukocyte integrin Mac-1 (CD11b/CD18). <i>Circulation</i> , 1999 , 100, 1533-9	16.7	101
277	Engineering Multifunctional Capsules through the Assembly of MetalPhenolic Networks. <i>Angewandte Chemie</i> , 2014 , 126, 5652-5657	3.6	99
276	Urinary proteomic diagnosis of coronary artery disease: identification and clinical validation in 623 individuals. <i>Journal of Hypertension</i> , 2010 , 28, 2316-22	1.9	99
275	Circulating microparticles generate and transport monomeric C-reactive protein in patients with myocardial infarction. <i>Cardiovascular Research</i> , 2012 , 96, 64-72	9.9	97
274	Pharmacological inhibition of the NLRP3 inflammasome reduces blood pressure, renal damage, and dysfunction in salt-sensitive hypertension. <i>Cardiovascular Research</i> , 2019 , 115, 776-787	9.9	95
273	Molecular Sensors of Blood Flow in Endothelial Cells. <i>Trends in Molecular Medicine</i> , 2017 , 23, 850-868	11.5	93
272	Thrombus-Targeted Theranostic Microbubbles: A New Technology towards Concurrent Rapid Ultrasound Diagnosis and Bleeding-free Fibrinolytic Treatment of Thrombosis. <i>Theranostics</i> , 2016 , 6, 726-38	12.1	92
271	GPIIb/IIIa inhibitors: from bench to bedside and back to bench again. <i>Thrombosis and Haemostasis</i> , 2012 , 107, 808-14	7	88
270	Evaluation of urine proteome pattern analysis for its potential to reflect coronary artery atherosclerosis in symptomatic patients. <i>Journal of Proteome Research</i> , 2009 , 8, 335-45	5.6	87
269	Role and analysis of monocyte subsets in cardiovascular disease. Joint consensus document of the European Society of Cardiology (ESC) Working Groups "Atherosclerosis & Vascular Biology" and "Thrombosis". <i>Thrombosis and Haemostasis</i> , 2016 , 116, 626-37	7	86

268	Superparamagnetic iron oxide binding and uptake as imaged by magnetic resonance is mediated by the integrin receptor Mac-1 (CD11b/CD18): implications on imaging of atherosclerotic plaques. <i>Atherosclerosis</i> , 2007 , 193, 102-11	3.1	83
267	Plasminogen Activator Inhibitor Type-1 (PAI-1) and its Role in Cardiovascular Disease. <i>Thrombosis and Haemostasis</i> , 1999 , 82, 14-18	7	81
266	Abciximab, eptifibatide, and tirofiban exhibit dose-dependent potencies to dissolve platelet aggregates. <i>Journal of Cardiovascular Pharmacology</i> , 2003 , 41, 586-92	3.1	80
265	Tocopherol preserves cardiac function by reducing oxidative stress and inflammation in ischemia/reperfusion injury. <i>Redox Biology</i> , 2019 , 26, 101292	11.3	79
264	Enzymatic single-chain antibody tagging: a universal approach to targeted molecular imaging and cell homing in cardiovascular disease. <i>Circulation Research</i> , 2011 , 109, 365-73	15.7	78
263	Platelet-Derived Microvesicles in Cardiovascular Diseases. <i>Frontiers in Cardiovascular Medicine</i> , 2017 , 4, 74	5.4	77
262	Targeting ligand-induced binding sites on GPIIb/IIIa via single-chain antibody allows effective anticoagulation without bleeding time prolongation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 1206-12	9.4	77
261	Binding of CD40L to Mac-1 α I-domain involves the EQLKKSRTL motif and mediates leukocyte recruitment and atherosclerosis--but does not affect immunity and thrombosis in mice. <i>Circulation Research</i> , 2011 , 109, 1269-79	15.7	75
260	Single-chain antibodies for the conformation-specific blockade of activated platelet integrin α IIb β 3 designed by subtractive selection from naive human phage libraries. <i>FASEB Journal</i> , 2004 , 18, 1704-6	0.9	75
259	Phosphorothioate backbone modifications of nucleotide-based drugs are potent platelet activators. <i>Journal of Experimental Medicine</i> , 2015 , 212, 129-37	16.6	73
258	Enzyme-mediated site-specific bioconjugation of metal complexes to proteins: sortase-mediated coupling of copper-64 to a single-chain antibody. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6115-9	16.4	71
257	Dissociation of C-Reactive Protein Localizes and Amplifies Inflammation: Evidence for a Direct Biological Role of C-Reactive Protein and Its Conformational Changes. <i>Frontiers in Immunology</i> , 2018 , 9, 1351	8.4	70
256	The GP IIb/IIIa inhibitor abciximab (c7E3) inhibits the binding of various ligands to the leukocyte integrin Mac-1 (CD11b/CD18, α M β 2). <i>Thrombosis Research</i> , 2002 , 107, 121-8	8.2	70
255	Single-chain antibodies as diagnostic tools and therapeutic agents. <i>Thrombosis and Haemostasis</i> , 2009 , 101, 1012-1019	7	68
254	A mechanistic model for paradoxical platelet activation by ligand-mimetic α IIb β 3 (GPIIb/IIIa) antagonists. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, e9-15	9.4	67
253	Bio-click chemistry: enzymatic functionalization of PEGylated capsules for targeting applications. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 7132-6	16.4	66
252	Platelet activation as a potential mechanism of GP IIb/IIIa inhibitor-induced thrombocytopenia. <i>American Journal of Cardiology</i> , 1999 , 84, 519-24	3	65
251	A contrast agent recognizing activated platelets reveals murine cerebral malaria pathology undetectable by conventional MRI. <i>Journal of Clinical Investigation</i> , 2008 , 118, 1198-207	15.9	65

250	Towards effective and safe thrombolysis and thromboprophylaxis: preclinical testing of a novel antibody-targeted recombinant plasminogen activator directed against activated platelets. <i>Circulation Research</i> , 2014 , 114, 1083-93	15.7	64
249	Molecular imaging of activated platelets via antibody-targeted ultra-small iron oxide nanoparticles displaying unique dual MRI contrast. <i>Biomaterials</i> , 2017 , 134, 31-42	15.6	62
248	Multifunctional Thrombin-Activatable Polymer Capsules for Specific Targeting to Activated Platelets. <i>Advanced Materials</i> , 2015 , 27, 5153-7	24	62
247	Higher mortality of COVID-19 in males: sex differences in immune response and cardiovascular comorbidities. <i>Cardiovascular Research</i> , 2020 , 116, 2197-2206	9.9	62
246	Myeloperoxidase is a potential molecular imaging and therapeutic target for the identification and stabilization of high-risk atherosclerotic plaque. <i>European Heart Journal</i> , 2018 , 39, 3301-3310	9.5	61
245	Protective role for Toll-like receptor-9 in the development of atherosclerosis in apolipoprotein E-deficient mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 516-25	9.4	61
244	Subtractive single-chain antibody (scFv) phage-display: tailoring phage-display for high specificity against function-specific conformations of cell membrane molecules. <i>Nature Protocols</i> , 2007 , 2, 3063-73	18.8	60
243	Visualization of activated platelets by targeted magnetic resonance imaging utilizing conformation-specific antibodies against glycoprotein IIb/IIIa. <i>Journal of Vascular Research</i> , 2009 , 46, 6-14	1.9	59
242	Evidence of platelet activation at medically used hypothermia and mechanistic data indicating ADP as a key mediator and therapeutic target. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 1607-16	9.4	58
241	A ligand-specific blockade of the integrin Mac-1 selectively targets pathologic inflammation while maintaining protective host-defense. <i>Nature Communications</i> , 2018 , 9, 525	17.4	57
240	The effects of particle size, shape, density and flow characteristics on particle margination to vascular walls in cardiovascular diseases. <i>Expert Opinion on Drug Delivery</i> , 2018 , 15, 33-45	8	56
239	Delayed targeting of CD39 to activated platelet GPIIb/IIIa via a single-chain antibody: breaking the link between antithrombotic potency and bleeding?. <i>Blood</i> , 2013 , 121, 3067-75	2.2	56
238	Near-infrared autofluorescence induced by intraplaque hemorrhage and heme degradation as marker for high-risk atherosclerotic plaques. <i>Nature Communications</i> , 2017 , 8, 75	17.4	55
237	Platelet function during and after thrombolytic therapy for acute myocardial infarction with reteplase, alteplase, or streptokinase. <i>Circulation</i> , 1999 , 100, 1858-64	16.7	55
236	Amyloid plaques dissociate pentameric to monomeric C-reactive protein: a novel pathomechanism driving cortical inflammation in Alzheimer's disease?. <i>Brain Pathology</i> , 2012 , 22, 337-46	6	53
235	What do the RE-LY, AVERROES and ROCKET-AF trials tell us for stroke prevention in atrial fibrillation?. <i>Thrombosis and Haemostasis</i> , 2011 , 105, 574-8	7	52
234	Pathophysiological levels of soluble P-selectin mediate adhesion of leukocytes to the endothelium through Mac-1 activation. <i>Circulation Research</i> , 2008 , 103, 1128-38	15.7	52
233	A proteomic analysis of C-reactive protein stimulated THP-1 monocytes. <i>Proteome Science</i> , 2011 , 9, 1	2.6	49

232	Soluble Vascular Cell Adhesion Molecule-1 (VCAM-1) as Potential Marker of Atherosclerosis. <i>Thrombosis and Haemostasis</i> , 1999 , 82, 38-43	7	49
231	Coinhibitory suppression of T cell activation by CD40 protects against obesity and adipose tissue inflammation in mice. <i>Circulation</i> , 2014 , 129, 2414-25	16.7	48
230	Generation of activation-specific human anti-alphaMbeta2 single-chain antibodies as potential diagnostic tools and therapeutic agents. <i>Blood</i> , 2007 , 109, 3521-8	2.2	48
229	Low-dose aspirin therapy is associated with improved allograft function and prolonged allograft survival after kidney transplantation. <i>Transplantation</i> , 2004 , 77, 1848-53	1.8	48
228	Construction and functional evaluation of a single-chain antibody fusion protein with fibrin targeting and thrombin inhibition after activation by factor Xa. <i>Circulation</i> , 2000 , 101, 1158-64	16.7	48
227	B-cell-specific depletion of tumour necrosis factor alpha inhibits atherosclerosis development and plaque vulnerability to rupture by reducing cell death and inflammation. <i>Cardiovascular Research</i> , 2016 , 111, 385-97	9.9	48
226	Atherosclerotic Plaque Rupture: Identifying the Straw That Breaks the Camel's Back. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, e63-72	9.4	46
225	Monomeric C-reactive protein generation on activated platelets: the missing link between inflammation and atherothrombotic risk. <i>Trends in Cardiovascular Medicine</i> , 2009 , 19, 232-7	6.9	46
224	Renal Denervation Reduces Monocyte Activation and Monocyte-Platelet Aggregate Formation: An Anti-Inflammatory Effect Relevant for Cardiovascular Risk. <i>Hypertension</i> , 2017 , 69, 323-331	8.5	45
223	Reverse cardiac remodeling after renal denervation: Atrial electrophysiologic and structural changes associated with blood pressure lowering. <i>Heart Rhythm</i> , 2015 , 12, 982-90	6.7	45
222	Dual-contrast molecular imaging allows noninvasive characterization of myocardial ischemia/reperfusion injury after coronary vessel occlusion in mice by magnetic resonance imaging. <i>Circulation</i> , 2014 , 130, 676-87	16.7	44
221	Successful in vitro expansion and differentiation of cord blood derived CD34+ cells into early endothelial progenitor cells reveals highly differential gene expression. <i>PLoS ONE</i> , 2011 , 6, e23210	3.7	43
220	Platelets in cardiac ischaemia/reperfusion injury: a promising therapeutic target. <i>Cardiovascular Research</i> , 2019 , 115, 1178-1188	9.9	42
219	Particle generation, functionalization and sortase A-mediated modification with targeting of single-chain antibodies for diagnostic and therapeutic use. <i>Nature Protocols</i> , 2015 , 10, 90-105	18.8	42
218	Platelet receptors as therapeutic targets: Past, present and future. <i>Thrombosis and Haemostasis</i> , 2017 , 117, 1249-1257	7	42
217	Nanoporous Metal-Phenolic Particles as Ultrasound Imaging Probes for Hydrogen Peroxide. <i>Advanced Healthcare Materials</i> , 2015 , 4, 2170-2175	10.1	42
216	Targeting the platelet integrin GPIIb/IIIa. <i>Current Pharmaceutical Design</i> , 2010 , 16, 4119-33	3.3	42
215	Reversibility versus persistence of GPIIb/IIIa blocker-induced conformational change of GPIIb/IIIa (alphaIIb beta3, CD41/CD61). <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 308, 1002-1147	14.7	42

214	Flow cytometric monitoring of glycoprotein IIb/IIIa blockade and platelet function in patients with acute myocardial infarction receiving reteplase, abciximab, and ticlopidine: continuous platelet inhibition by the combination of abciximab and ticlopidine. <i>Circulation</i> , 2000 , 102, 1490-6	16.7	42
213	Molecular Imaging of Atherothrombotic Diseases: Seeing Is Believing. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, 1029-1040	9.4	41
212	HMGB1 binds to activated platelets via the receptor for advanced glycation end products and is present in platelet rich human coronary artery thrombi. <i>Thrombosis and Haemostasis</i> , 2015 , 114, 994-1003	7	41
211	Promotion of leukocyte adhesion by a novel interaction between vitronectin and the beta2 integrin Mac-1 (alphaMbeta2, CD11b/CD18). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004 , 24, 2251-6	9.4	41
210	Effects of mutations in the cytoplasmic domain of integrin beta(1) to talin binding and cell spreading. <i>Experimental Cell Research</i> , 1999 , 250, 524-34	4.2	41
209	Myocardial Infarction-From Atherosclerosis to Thrombosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, e176-e185	9.4	39
208	From basic mechanisms to clinical applications in heart protection, new players in cardiovascular diseases and cardiac theranostics: meeting report from the third international symposium on "New frontiers in cardiovascular research". <i>Basic Research in Cardiology</i> , 2016 , 111, 69	11.8	36
207	A versatile approach for the site-specific modification of recombinant antibodies using a combination of enzyme-mediated bioconjugation and click chemistry. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7515-9	16.4	35
206	A Conformational Change in C-Reactive Protein Enhances Leukocyte Recruitment and Reactive Oxygen Species Generation in Ischemia/Reperfusion Injury. <i>Frontiers in Immunology</i> , 2018 , 9, 675	8.4	35
205	Plasma levels of trimethylamine-N-oxide can be increased with healthy and unhealthy diets and do not correlate with the extent of atherosclerosis but with plaque instability. <i>Cardiovascular Research</i> , 2021 , 117, 435-449	9.9	35
204	Therapeutic targeting in nanomedicine: the future lies in recombinant antibodies. <i>Nanomedicine</i> , 2017 , 12, 1873-1889	5.6	34
203	Urine proteome analysis reflects atherosclerotic disease in an ApoE-/- mouse model and allows the discovery of new candidate biomarkers in mouse and human atherosclerosis. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, M111.013847	7.6	34
202	Proton pump inhibitors, genetic polymorphisms and response to clopidogrel therapy. <i>Thrombosis and Haemostasis</i> , 2011 , 105, 933-44	7	34
201	Critical temperature ranges of hypothermia-induced platelet activation: possible implications for cooling patients in cardiac surgery. <i>Thrombosis and Haemostasis</i> , 2007 , 97, 608-16	7	33
200	A single-chain antibody-CD39 fusion protein targeting activated platelets protects from cardiac ischaemia/reperfusion injury. <i>European Heart Journal</i> , 2018 , 39, 111-116	9.5	32
199	Dual-Targeted Theranostic Delivery of miRs Arrests Abdominal Aortic Aneurysm Development. <i>Molecular Therapy</i> , 2018 , 26, 1056-1065	11.7	32
198	Single-chain antibody conjugated to a cage amine chelator and labeled with positron-emitting copper-64 for diagnostic imaging of activated platelets. <i>Molecular Pharmaceutics</i> , 2014 , 11, 2855-63	5.6	32
197	Differential regulation by troglitazone of plasminogen activator inhibitor type 1 in human hepatic and vascular cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000 , 85, 1563-8	5.6	32

196	Highly Sensitive Detection of Minimal Cardiac Ischemia using Positron Emission Tomography Imaging of Activated Platelets. <i>Scientific Reports</i> , 2016 , 6, 38161	4.9	32
195	Transcatheter Aortic Valve Implantation Represents an Anti-Inflammatory Therapy Via Reduction of Shear Stress-Induced, Piezo-1-Mediated Monocyte Activation. <i>Circulation</i> , 2020 , 142, 1092-1105	16.7	31
194	GPVI and GPIIb/IIIa mediate staphylococcal superantigen-like protein 5 (SSL5) induced platelet activation and direct toward glycans as potential inhibitors. <i>PLoS ONE</i> , 2011 , 6, e19190	3.7	31
193	CD40L deficiency attenuates diet-induced adipose tissue inflammation by impairing immune cell accumulation and production of pathogenic IgG-antibodies. <i>PLoS ONE</i> , 2012 , 7, e33026	3.7	31
192	A conformational change of C-reactive protein in burn wounds unmasks its proinflammatory properties. <i>International Immunology</i> , 2014 , 26, 467-78	4.9	30
191	Adhesion of monocytes to medical steel as used for vascular stents is mediated by the integrin receptor Mac-1 (CD11b/CD18; alphaM beta2) and can be inhibited by semiconductor coating. <i>Cell Communication and Adhesion</i> , 2003 , 10, 17-26		30
190	Single-chain antibodies as diagnostic tools and therapeutic agents. <i>Thrombosis and Haemostasis</i> , 2009 , 101, 1012-9	7	30
189	The bidirectional interaction between the sympathetic nervous system and immune mechanisms in the pathogenesis of hypertension. <i>British Journal of Pharmacology</i> , 2019 , 176, 1839-1852	8.6	29
188	Platelet-Targeted Delivery of Peripheral Blood Mononuclear Cells to the Ischemic Heart Restores Cardiac Function after Ischemia-Reperfusion Injury. <i>Theranostics</i> , 2017 , 7, 3192-3206	12.1	29
187	Targeted antithrombotic protein micelles. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1461-5	16.4	29
186	Targeting Activated Platelets: A Unique and Potentially Universal Approach for Cancer Imaging. <i>Theranostics</i> , 2017 , 7, 2565-2574	12.1	28
185	A Bispecific Antifibrin-antiplatelet Urokinase Conjugate (BAAUC) Induces Enhanced Clot Lysis and Inhibits Platelet Aggregation. <i>Thrombosis and Haemostasis</i> , 1999 , 82, 109-114	7	28
184	Novel Antithrombotic Drugs on the Horizon: The Ultimate Promise to Prevent Clotting While Avoiding Bleeding. <i>Circulation Research</i> , 2017 , 121, 1133-1135	15.7	27
183	C-Reactive Protein and Its Structural Isoforms: An Evolutionary Conserved Marker and Central Player in Inflammatory Diseases and Beyond. <i>Sub-Cellular Biochemistry</i> , 2020 , 94, 499-520	5.5	27
182	Selective inhibition of the platelet phosphoinositide 3-kinase p110beta as promising new strategy for platelet protection during extracorporeal circulation. <i>Thrombosis and Haemostasis</i> , 2008 , 99, 609-15	7	27
181	Human IgG monoclonal anti-alpha(IIb)beta(3)-binding fragments derived from immunized donors using phage display. <i>Journal of Immunology</i> , 2002 , 168, 2035-45	5.3	27
180	Intrinsic activating properties of GP IIb/IIIa blockers. <i>Thrombosis Research</i> , 2001 , 103 Suppl 1, S21-7	8.2	26
179	Randomized double-blind placebo-controlled crossover study to determine the effects of esomeprazole on inhibition of platelet function by clopidogrel. <i>Journal of Thrombosis and Haemostasis</i> , 2011 , 9, 1582-9	15.4	25

178	Thromboembolic and Bleeding Complications in Transcatheter Aortic Valve Implantation: Insights on Mechanisms, Prophylaxis and Therapy. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	24
177	Functionalized Magnetic Resonance Contrast Agent Selectively Binds to Glycoprotein IIb/IIIa on Activated Human Platelets under Flow Conditions and Is Detectable at Clinically Relevant Field Strengths. <i>Molecular Imaging</i> , 2008 , 7, 7290.2008.0008	3.7	24
176	Staphylococcal SSL5-induced platelet microparticles provoke proinflammatory responses via the CD40/TRAF6/NFB signalling pathway in monocytes. <i>Thrombosis and Haemostasis</i> , 2016 , 115, 632-45	7	24
175	Shear-sensitive nanocapsule drug release for site-specific inhibition of occlusive thrombus formation. <i>Journal of Thrombosis and Haemostasis</i> , 2017 , 15, 972-982	15.4	23
174	Studying the Response of Aortic Endothelial Cells under Pulsatile Flow Using a Compact Microfluidic System. <i>Analytical Chemistry</i> , 2019 , 91, 12077-12084	7.8	23
173	Preimplantation factor prevents atherosclerosis via its immunomodulatory effects without affecting serum lipids. <i>Thrombosis and Haemostasis</i> , 2016 , 115, 1010-24	7	23
172	The vitamin E derivative garcinoic acid from <i>Garcinia kola</i> nut seeds attenuates the inflammatory response. <i>Redox Biology</i> , 2019 , 24, 101166	11.3	22
171	Bio-Click Chemistry: Enzymatic Functionalization of PEGylated Capsules for Targeting Applications. <i>Angewandte Chemie</i> , 2012 , 124, 7244-7248	3.6	22
170	Measuring oxidative burden and predicting pharmacological response in coronary artery disease patients with a novel direct activator of haem-free/oxidised sGC. <i>Atherosclerosis</i> , 2011 , 218, 431-4	3.1	22
169	Cytotoxic lymphocytes and atherosclerosis: significance, mechanisms and therapeutic challenges. <i>British Journal of Pharmacology</i> , 2017 , 174, 3956-3972	8.6	21
168	Droplet digital PCR as a novel detection method for quantifying microRNAs in acute myocardial infarction. <i>International Journal of Cardiology</i> , 2018 , 257, 247-254	3.2	21
167	Cationic Nanoliposomes Meet mRNA: Efficient Delivery of Modified mRNA Using Hemocompatible and Stable Vectors for Therapeutic Applications. <i>Molecular Therapy - Nucleic Acids</i> , 2017 , 8, 459-468	10.7	21
166	Enzymatic antibody tagging: toward a universal biocompatible targeting tool. <i>Trends in Cardiovascular Medicine</i> , 2012 , 22, 105-11	6.9	21
165	Fibrin-targeted direct factor Xa inhibition: construction and characterization of a recombinant factor Xa inhibitor composed of an anti-fibrin single-chain antibody and tick anticoagulant peptide. <i>Thrombosis and Haemostasis</i> , 2004 , 92, 47-53	7	21
164	Activated platelets in carotid artery thrombosis in mice can be selectively targeted with a radiolabeled single-chain antibody. <i>PLoS ONE</i> , 2011 , 6, e18446	3.7	21
163	The choice of targets and ligands for site-specific delivery of nanomedicine to atherosclerosis. <i>Cardiovascular Research</i> , 2020 , 116, 2055-2068	9.9	20
162	Evidence for a differential functional regulation of the two beta(3)-integrins alpha(V)beta(3) and alpha(IIb)beta(3). <i>Experimental Cell Research</i> , 2006 , 312, 925-37	4.2	20
161	Mac-1 directly binds to the endothelial protein C-receptor: a link between the protein C anticoagulant pathway and inflammation?. <i>PLoS ONE</i> , 2013 , 8, e53103	3.7	20

160	Toll-Like Receptor (TLR)4 and MyD88 are Essential for Atheroprotection by Peritoneal B1a B Cells. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	20
159	Interruption of classic CD40L-CD40 signalling but not of the novel CD40L-Mac-1 interaction limits arterial neointima formation in mice. <i>Thrombosis and Haemostasis</i> , 2014 , 112, 379-89	7	19
158	Short-acting P2Y12 blockade to reduce platelet dysfunction and coagulopathy during experimental extracorporeal circulation and hypothermia. <i>British Journal of Anaesthesia</i> , 2012 , 108, 912-21	5.4	19
157	Selenium supplementation induces metalloproteinase-dependent L-selectin shedding from monocytes. <i>Journal of Leukocyte Biology</i> , 2008 , 83, 1388-95	6.5	19
156	Ecarin clotting time but not aPTT correlates with PEG-hirudin plasma activity. <i>Journal of Thrombosis and Thrombolysis</i> , 2001 , 12, 165-9	5.1	19
155	Platelet-targeted dual pathway antithrombotic inhibits thrombosis with preserved hemostasis. <i>JCI Insight</i> , 2018 , 3,	9.9	19
154	A Self-Assembled Fluorescent Nanoprobe for Imaging and Therapy of Cardiac Ischemia/Reperfusion Injury. <i>Advanced Therapeutics</i> , 2019 , 2, 1800133	4.9	18
153	Activated platelets in the tumor microenvironment for targeting of antibody-drug conjugates to tumors and metastases. <i>Theranostics</i> , 2019 , 9, 1154-1169	12.1	18
152	A Unique Recombinant Fluoroprobe Targeting Activated Platelets Allows Detection of Arterial Thrombosis and Pulmonary Embolism Using a Novel Three-Dimensional Fluorescence Emission Computed Tomography (FLECT) Technology. <i>Theranostics</i> , 2017 , 7, 1047-1061	12.1	18
151	Detection of activated platelets in a mouse model of carotid artery thrombosis with 18 F-labeled single-chain antibodies. <i>Nuclear Medicine and Biology</i> , 2014 , 41, 229-37	2.1	18
150	Molecular magnetic resonance imaging allows the detection of activated platelets in a new mouse model of coronary artery thrombosis. <i>Investigative Radiology</i> , 2011 , 46, 618-23	10.1	18
149	Nanoliposomes for Safe and Efficient Therapeutic mRNA Delivery: A Step Toward Nanotheranostics in Inflammatory and Cardiovascular Diseases as well as Cancer. <i>Nanotheranostics</i> , 2017 , 1, 154-165	5.6	17
148	Imaging monocytes with iron oxide nanoparticles targeted towards the monocyte integrin MAC-1 (CD11b/CD18) does not result in improved atherosclerotic plaque detection by in vivo MRI. <i>Contrast Media and Molecular Imaging</i> , 2010 , 5, 268-75	3.2	17
147	Prediction of acute coronary syndromes by urinary proteome analysis. <i>PLoS ONE</i> , 2017 , 12, e0172036	3.7	17
146	Molecular Imaging of Activated Platelets Allows the Detection of Pulmonary Embolism with Magnetic Resonance Imaging. <i>Scientific Reports</i> , 2016 , 6, 25044	4.9	17
145	Chip-based digital PCR as a novel detection method for quantifying microRNAs in acute myocardial infarction patients. <i>Acta Pharmacologica Sinica</i> , 2018 , 39, 1217-1227	8	17
144	Roles of Mac-1 and glycoprotein IIb/IIIa integrins in leukocyte-platelet aggregate formation: stabilization by Mac-1 and inhibition by GpIIb/IIIa blockers. <i>Platelets</i> , 2012 , 23, 368-75	3.6	16
143	Celastrol, a triterpene extracted from <i>Tripterygium wilfordii</i> Hook F, inhibits platelet activation. <i>Journal of Cardiovascular Pharmacology</i> , 2009 , 54, 240-5	3.1	16

142	In vivo detection of activated platelets allows characterizing rupture of atherosclerotic plaques with molecular magnetic resonance imaging in mice. <i>PLoS ONE</i> , 2012 , 7, e45008	3.7	16
141	Development of a novel strategy to target CD39 antithrombotic activity to the endothelial-platelet microenvironment in kidney ischemia-reperfusion injury. <i>Purinergic Signalling</i> , 2017 , 13, 259-265	3.8	15
140	Platelet lipidomics and function: joining the dots. <i>Blood</i> , 2018 , 132, 465-466	2.2	15
139	Lysophosphatidylcholine is a Major Component of Platelet Microvesicles Promoting Platelet Activation and Reporting Atherosclerotic Plaque Instability. <i>Thrombosis and Haemostasis</i> , 2019 , 119, 1295-1310 ¹⁵		
138	Combined blockade of ADP receptors and PI3-kinase p110 β fully prevents platelet and leukocyte activation during hypothermic extracorporeal circulation. <i>PLoS ONE</i> , 2012 , 7, e38455	3.7	15
137	Oposing effects of monomeric and pentameric C-reactive protein on endothelial progenitor cells. <i>Basic Research in Cardiology</i> , 2011 , 106, 879-95	11.8	15
136	Single-chain antibodies as new antithrombotic drugs. <i>Seminars in Thrombosis and Hemostasis</i> , 2007 , 33, 185-95	5.3	15
135	The effect of intravenously administered magnesium on platelet function in patients after cardiac surgery. <i>Anesthesia and Analgesia</i> , 1999 , 88, 1213-9	3.9	15
134	Functionalized magnetic resonance contrast agent selectively binds to glycoprotein IIb/IIIa on activated human platelets under flow conditions and is detectable at clinically relevant field strengths. <i>Molecular Imaging</i> , 2008 , 7, 59-67	3.7	15
133	Targeting CD39 Toward Activated Platelets Reduces Systemic Inflammation and Improves Survival in Sepsis: A Preclinical Pilot Study. <i>Critical Care Medicine</i> , 2019 , 47, e420-e427	1.4	15
132	Renal artery anatomy affects the blood pressure response to renal denervation in patients with resistant hypertension. <i>International Journal of Cardiology</i> , 2016 , 202, 388-93	3.2	14
131	Ambulatory arterial stiffness index as a predictor of blood pressure response to renal denervation. <i>Journal of Hypertension</i> , 2018 , 36, 1414-1422	1.9	14
130	Destination Known: Targeted Drug Delivery in Atherosclerosis and Thrombosis. <i>Drug Development Research</i> , 2013 , 74, 460-471	5.1	14
129	Inflammation, but not recruitment, of adipose tissue macrophages requires signalling through Mac-1 (CD11b/CD18) in diet-induced obesity (DIO). <i>Thrombosis and Haemostasis</i> , 2017 , 117, 325-338	7	14
128	Pentameric CRP attenuates inflammatory effects of mmLDL by inhibiting mmLDL--monocyte interactions. <i>Atherosclerosis</i> , 2012 , 224, 384-93	3.1	14
127	Staphylococcal superantigen-like protein 5 induces thrombotic and bleeding complications in vivo: inhibition by an anti-SSL5 antibody and the glycan Bimosiamose. <i>Journal of Thrombosis and Haemostasis</i> , 2012 , 10, 2607-9	15.4	14
126	In vitro Study of a Novel Stent Coating Using Modified CD39 Messenger RNA to Potentially Reduce Stent Angioplasty-Associated Complications. <i>PLoS ONE</i> , 2015 , 10, e0138375	3.7	14
125	Urine proteome analysis as a discovery tool in patients with deep vein thrombosis and pulmonary embolism. <i>Proteomics - Clinical Applications</i> , 2016 , 10, 574-84	3.1	13

124	HMGB1 signals danger in acute coronary syndrome: emergence of a new risk marker for cardiovascular death?. <i>Atherosclerosis</i> , 2012 , 221, 317-8	3.1	13
123	Attenuation by gemfibrozil of expression of plasminogen activator inhibitor type 1 induced by insulin and its precursors. <i>Circulation</i> , 1997 , 95, 677-83	16.7	13
122	Alarmin-activated B cells accelerate murine atherosclerosis after myocardial infarction via plasma cell-immunoglobulin-dependent mechanisms. <i>European Heart Journal</i> , 2021 , 42, 938-947	9.5	13
121	CD39 and CD73 activity are protective in a mouse model of antiphospholipid antibody-induced miscarriages. <i>Journal of Autoimmunity</i> , 2018 , 88, 131-138	15.5	13
120	Platelets Drive Inflammation and Target Gray Matter and the Retina in Autoimmune-Mediated Encephalomyelitis. <i>Journal of Neuropathology and Experimental Neurology</i> , 2018 , 77, 567-576	3.1	13
119	Self-confirming molecular imaging of activated platelets via iron oxide nanoparticles displaying unique dual MRI contrast. <i>Atherosclerosis</i> , 2017 , 263, e146	3.1	12
118	Platelet Depletion is Effective in Ameliorating Anxiety-Like Behavior and Reducing the Pro-Inflammatory Environment in the Hippocampus in Murine Experimental Autoimmune Encephalomyelitis. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	12
117	Enzyme-Mediated Site-Specific Bioconjugation of Metal Complexes to Proteins: Sortase-Mediated Coupling of Copper-64 to a Single-Chain Antibody. <i>Angewandte Chemie</i> , 2014 , 126, 6229-6233	3.6	12
116	Effects of different thrombolytic treatment regimen with abciximab and tirofiban on platelet aggregation and platelet-leukocyte interactions: a subgroup analysis from the GUSTO V and FASTER trials. <i>Journal of Thrombosis and Thrombolysis</i> , 2002 , 14, 197-203	5.1	12
115	Cardiovascular and Metabolic Protection by Vitamin E: A Matter of Treatment Strategy?. <i>Antioxidants</i> , 2020 , 9,	7.1	12
114	Novel Thrombolytic Drug Based on Thrombin Cleavable Microplasminogen Coupled to a Single-Chain Antibody Specific for Activated GPIIb/IIIa. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	11
113	Activation of platelets in young infants during cardiopulmonary bypass. <i>Thrombosis and Haemostasis</i> , 2010 , 103, 466-9	7	11
112	An activation-specific platelet inhibitor that can be turned on/off by medically used hypothermia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 2015-23	9.4	11
111	Construction and in vitro testing of a novel fab-hirudin-based fusion protein that targets fibrin and inhibits thrombin in a factor xa-dependent manner. <i>Journal of Cardiovascular Pharmacology</i> , 2003 , 42, 237-44	3.1	11
110	Distinct roles of ligand affinity and cytoskeletal anchorage in alphaIIbbeta3 (GP IIb/IIIa)-mediated cell aggregation and adhesion. <i>Platelets</i> , 2004 , 15, 427-38	3.6	11
109	Attenuation by Fibrates of Plasminogen Activator Inhibitor Type-1 Expression in Human Arterial Smooth Muscle Cells. <i>Thrombosis and Haemostasis</i> , 2001 , 86, 1305-1313	7	11
108	Opioids and ST Elevation Myocardial Infarction: A Systematic Review. <i>Heart Lung and Circulation</i> , 2019 , 28, 697-706	1.8	11
107	The volatile anesthetic sevoflurane inhibits activation of neutrophil granulocytes during simulated extracorporeal circulation. <i>International Immunopharmacology</i> , 2012 , 14, 202-8	5.8	10

106	Evaluation of platelet activation in patients supported by the Jarvik 2000* high-rotational speed impeller ventricular assist device. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009 , 137, 736-41	1.5	10
105	Perioperative antiplatelet therapy: a knife-edged choice between thrombosis and bleeding still based on consensus rather than evidence. <i>Thrombosis and Haemostasis</i> , 2011 , 105, 750-1	7	9
104	Therapeutic integrin inhibition: allosteric and activation-specific inhibition strategies may surpass the initial ligand-mimetic strategies. <i>Thrombosis and Haemostasis</i> , 2008 , 99, 803-4	7	9
103	Patency trials with reteplase (r-PA): what do they tell us?. <i>American Journal of Cardiology</i> , 1996 , 78, 16-9	3	9
102	Multi-targeted H/F MRI unmasks specific danger patterns for emerging cardiovascular disorders. <i>Nature Communications</i> , 2021 , 12, 5847	17.4	9
101	Fluorine-19 Magnetic Resonance Imaging of Activated Platelets. <i>Journal of the American Heart Association</i> , 2020 , 9, e016971	6	9
100	Microfluidic models of the human circulatory system: versatile platforms for exploring mechanobiology and disease modeling. <i>Biophysical Reviews</i> , 2021 , 13, 769-786	3.7	9
99	Successful renal denervation decreases the platelet activation status in hypertensive patients. <i>Cardiovascular Research</i> , 2020 , 116, 202-210	9.9	9
98	Analyzing the shear-induced sensitization of mechanosensitive ion channel Piezo-1 in human aortic endothelial cells. <i>Journal of Cellular Physiology</i> , 2021 , 236, 2976-2987	7	9
97	Anti-TIM-1 Monoclonal Antibody (RMT1-10) Attenuates Atherosclerosis By Expanding IgM-producing B1a Cells. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	8
96	An approach towards molecular imaging of activated platelets allows imaging of symptomatic human carotid plaques in a new model of a tissue flow chamber. <i>Contrast Media and Molecular Imaging</i> , 2012 , 7, 204-13	3.2	8
95	Therapeutic Inhibitors of Platelet Aggregation [From Aspirin to Integrin Blockers]. <i>Transfusion Medicine and Hemotherapy</i> , 2007 , 34, 44-54	4.2	8
94	Direct thrombin inhibition with bivalirudin as an antithrombotic strategy in general and interventional cardiology. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2007 , 3, 609-620	5.5	8
93	Multimodality Intravascular Imaging of High-Risk Coronary Plaque. <i>JACC: Cardiovascular Imaging</i> , 2021 , 15, 145-145	8.4	8
92	The mitochondria-targeting peptide elamipretide diminishes circulating HtrA2 in ST-segment elevation myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2019 , 8, 695-702	4.3	8
91	The pulmonary microvasculature entraps induced vascular progenitor cells (iVPCs) systemically delivered after cardiac ischemia-reperfusion injury: Indication for preservation of heart function via paracrine effects beyond engraftment. <i>Microcirculation</i> , 2019 , 26, e12493	2.9	7
90	A molecular intravascular ultrasound contrast agent allows detection of activated platelets on the surface of symptomatic human plaques. <i>Atherosclerosis</i> , 2017 , 267, 68-77	3.1	7
89	Use of GPIIb/IIIa inhibitors in cardiovascular medicine. <i>Expert Review of Cardiovascular Therapy</i> , 2003 , 1, 233-42	2.5	7

88	Dynamic Solid-State Ultrasound Contrast Agent for Monitoring pH Fluctuations. <i>ACS Sensors</i> , 2020 , 5, 1190-1197	9.2	6
87	C-reactive protein measurement and cardiovascular disease. <i>Lancet, The</i> , 2010 , 375, 1078	40	6
86	Improving selection of alpha11beta3-binding phage antibodies with increased reactivity derived from immunized donors. <i>Clinical Immunology</i> , 2003 , 108, 199-210	9	6
85	Tandem Stenosis to Induce Atherosclerotic Plaque Instability in the Mouse. <i>Methods in Molecular Biology</i> , 2015 , 1339, 333-8	1.4	6
84	Prehospital opioid dose and myocardial injury in patients with ST elevation myocardial infarction. <i>Open Heart</i> , 2020 , 7,	3	6
83	A DARPIn targeting activated Mac-1 is a novel diagnostic tool and potential anti-inflammatory agent in myocarditis, sepsis and myocardial infarction. <i>Basic Research in Cardiology</i> , 2021 , 116, 17	11.8	6
82	An Unbiased Flow Cytometry-Based Approach to Assess Subset-Specific Circulating Monocyte Activation and Cytokine Profile in Whole Blood. <i>Frontiers in Immunology</i> , 2021 , 12, 641224	8.4	6
81	The tandem stenosis mouse model: Towards understanding, imaging, and preventing atherosclerotic plaque instability and rupture. <i>British Journal of Pharmacology</i> , 2020 ,	8.6	6
80	3D-Printed Micro Lens-in-Lens for In Vivo Multimodal Microendoscopy.. <i>Small</i> , 2022 , e2107032	11	6
79	Determining the characteristics of human atherosclerosis: A difficult but indispensable task providing the direction and proof of concept for pioneering atherosclerosis research in animal models. <i>Atherosclerosis</i> , 2015 , 241, 595-6	3.1	5
78	Illustrated State-of-the-Art Capsules of the ISTH 2019 Congress in Melbourne, Australia. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2019 , 3, 431-497	5.1	5
77	Targeted Antithrombotic Protein Micelles. <i>Angewandte Chemie</i> , 2015 , 127, 1481-1485	3.6	5
76	Ex-vivo thrombolytic gene therapy for vein graft patency: the frontier for development of selective, localised therapeutic approaches. <i>Thrombosis and Haemostasis</i> , 2009 , 102, 3-4	7	5
75	Effects of subtotal fasting on plasmatic coagulation, fibrinolytic status and platelet activation: a controlled pilot study in healthy subjects. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2005 , 15, 212-8	4.5	5
74	Independence of growth factor induced plasminogen activator inhibitor type-1 (PAI-1) expression from the 4G/5G polymorphism of the PAI-1 gene. <i>Thrombosis and Haemostasis</i> , 2003 , 90, 36-42	7	5
73	Combined Antiplatelet/Anticoagulant Drug for Cardiac Ischemia/Reperfusion Injury. <i>Circulation Research</i> , 2020 , 127, 1211-1213	15.7	5
72	CRP Enhances the Innate Killing Mechanisms Phagocytosis and ROS Formation in a Conformation and Complement-Dependent Manner. <i>Frontiers in Immunology</i> , 2021 , 12, 721887	8.4	5
71	Near-infrared light-responsive liposomes for protein delivery: Towards bleeding-free photothermally-assisted thrombolysis. <i>Journal of Controlled Release</i> , 2021 , 337, 212-223	11.7	5

70	A Versatile Approach for the Site-Specific Modification of Recombinant Antibodies Using a Combination of Enzyme-Mediated Bioconjugation and Click Chemistry. <i>Angewandte Chemie</i> , 2015 , 127, 7625-7629	3.6	4
69	Proteomics unravels platelet function. <i>Blood</i> , 2010 , 115, 4008-9	2.2	4
68	Induction of Fibrinogen Binding and Platelet Aggregation as a Potential Intrinsic Property of Various Glycoprotein IIb/IIIa (αIIbβ ₃) Inhibitors. <i>Blood</i> , 1998 , 92, 3240-3249	2.2	4
67	Predicting the Risk of Recurrent Venous Thromboembolism: Current Challenges and Future Opportunities. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	4
66	Ultrasonic particles: An approach for targeted gene delivery. <i>Advanced Drug Delivery Reviews</i> , 2021 , 179, 113998	18.5	4
65	Generation of programmable dynamic flow patterns in microfluidics using audio signals. <i>Lab on A Chip</i> , 2021 , 21, 4672-4684	7.2	4
64	Tunable Harmonic Flow Patterns in Microfluidic Systems through Simple Tube Oscillation. <i>Small</i> , 2020 , 16, e2003612	11	4
63	Platelets in Multiple Sclerosis: Early and Central Mediators of Inflammation and Neurodegeneration and Attractive Targets for Molecular Imaging and Site-Directed Therapy. <i>Frontiers in Immunology</i> , 2021 , 12, 620963	8.4	4
62	Effects of lignocaine vs. opioids on antiplatelet activity of ticagrelor: the LOCAL trial. <i>European Heart Journal</i> , 2021 , 42, 4025-4036	9.5	4
61	PY receptor blockers are anti-inflammatory drugs inhibiting both circulating monocytes and macrophages including THP-1 cells. <i>Scientific Reports</i> , 2021 , 11, 17459	4.9	4
60	Generation of Cationic Nanoliposomes for the Efficient Delivery of In Vitro Transcribed Messenger RNA. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	3
59	Forget about thrombosis: Platelets and Alzheimer's disease, yet another sticky situation. <i>Science Signaling</i> , 2016 , 9, fs9	8.8	3
58	Biomarkers for AAA: Encouraging steps but clinical relevance still to be delivered. <i>Proteomics - Clinical Applications</i> , 2014 , 8, 732-4	3.1	3
57	Mechanosensing by Piezo1 and its implications for physiology and various pathologies. <i>Biological Reviews</i> , 2021 ,	13.5	3
56	Antithrombotic Therapy in Myocardial Infarction: Historic Perils and Current Challenges-A 70-Year Journey. <i>Thrombosis and Haemostasis</i> , 2020 , 120, 1352-1356	7	3
55	An open-label, non-inferiority randomized controlled trial of lidocaine Versus Opioids In Myocardial Infarction study (AVOID-2 study) methods paper. <i>Contemporary Clinical Trials</i> , 2021 , 105, 106411	2.3	3
54	The opioid-P2Y inhibitor interaction: Potential strategies to mitigate the interaction and consideration of alternative analgesic agents in myocardial infarction. <i>Pharmacology & Therapeutics</i> , 2021 , 217, 107665	13.9	3
53	Monocyte Dysfunction Detected by the Designed Ankyrin Repeat Protein F7 Predicts Mortality in Patients Receiving Venous-Arterial Extracorporeal Membrane Oxygenation. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 689218	5.4	3

52	Site-Specific Glycation and Chemo-enzymatic Antibody Sortagging for the Retargeting of rAAV6 to Inflamed Endothelium. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019 , 14, 261-269	6.4	2
51	Pharmacological inhibition of LIM kinase pathway impairs platelets functionality and facilitates thrombolysis. <i>Experimental Cell Research</i> , 2019 , 382, 111458	4.2	2
50	Extracellular HtrA2 Induces Apoptosis in Human Umbilical Vein Endothelial Cells. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	2
49	Genetic transfer of fusion proteins effectively inhibits VCAM-1-mediated cell adhesion and transmigration via inhibition of cytoskeletal anchorage. <i>Journal of Cellular and Molecular Medicine</i> , 2010 , 14, 290-302	5.6	2
48	Humanizing mouse thrombi. <i>Nature Biotechnology</i> , 2008 , 26, 62-3	44.5	2
47	Evidence of a steal phenomenon by a thoracic side branch of an internal mammary artery bypass. <i>Journal of Vascular and Interventional Radiology</i> , 2006 , 17, 1714-5	2.4	2
46	Direct thrombin inhibition with bivalirudin as an antithrombotic strategy in general and interventional cardiology. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2007 , 3, 609-20	5.5	2
45	Molecular magnetic resonance imaging of activated platelets allows noninvasive detection of early myocarditis in mice. <i>Scientific Reports</i> , 2020 , 10, 13211	4.9	2
44	Smart Delivery of Plasminogen Activators for Efficient Thrombolysis; Recent Trends and Future Perspectives. <i>Advanced Therapeutics</i> , 2021 , 4, 2100047	4.9	2
43	Cardiomyocyte microvesicles: proinflammatory mediators after myocardial ischemia?. <i>Journal of Thrombosis and Thrombolysis</i> , 2020 , 50, 533-542	5.1	1
42	Titelbild: Engineering Multifunctional Capsules through the Assembly of Metal-Phenolic Networks (Angew. Chem. 22/2014). <i>Angewandte Chemie</i> , 2014 , 126, 5579-5579	3.6	1
41	Coagulation disorders and aortic stenosis: a chicken and egg question?. <i>Journal of Thrombosis and Haemostasis</i> , 2013 , 11, 731-2	15.4	1
40	Non-vitamin K antagonist oral anticoagulants (NOACs) in the cardiac catheterisation laboratory: Friends or Foes?. <i>Thrombosis and Haemostasis</i> , 2015 , 114, 214-6	7	1
39	Molecular Imaging of Vascular Thrombosis. <i>Current Molecular Imaging</i> , 2014 , 3, 27-36		1
38	Regulation of the synthesis of plasminogen activator inhibitor type 1 (PAI-1): pathogenetic mechanism of atherosclerosis in diabetes mellitus?. <i>Fibrinolysis and Proteolysis</i> , 1997 , 11, 141-147		1
37	Construction of an activated, high-affinity GP IIb/IIIa ($\alpha\text{IIb}\beta_3$) integrin receptor and its use for the determination of the role of affinity and cytoskeletal anchorage in cell adhesion, cell migration and fibronectin matrix assembly. <i>Fibrinolysis and Proteolysis</i> , 1997 , 11, 193-196		1
36	Sodium-Glucose Co-Transporter 2 (SGLT2) Inhibitor Dapagliflozin Stabilizes Diabetes-Induced Atherosclerotic Plaque Instability.. <i>Journal of the American Heart Association</i> , 2021 , e022761	6	1
35	Pharmacokinetic study of the novel phosphocholine derivative 3-dibutylaminopropylphosphonic acid by LC-MS coupling. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021 , 1186, 122998	3.2	1

34	Pharmacological inhibition of Factor XIIIa attenuates abdominal aortic aneurysm, reduces atherosclerosis, and stabilizes atherosclerotic plaques. <i>Thrombosis and Haemostasis</i> , 2021 ,	7	1
33	Submassive Pulmonary Embolism: Current Perspectives and Future Directions. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	1
32	MicroRNAs as Biomarkers for Personalized Antiplatelet Therapy. <i>Thrombosis and Haemostasis</i> , 2021 , 121, 1121	7	1
31	Activation of circulating platelets in vaccine-induced thrombotic thrombocytopenia and its reversal by intravenous immunoglobulin. <i>British Journal of Haematology</i> , 2021 ,	4.5	1
30	A Recombinant Fusion Construct between Human Serum Albumin and NTPDase CD39 Allows Anti-Inflammatory and Anti-Thrombotic Coating of Medical Devices. <i>Pharmaceutics</i> , 2021 , 13,	6.4	1
29	A platelet-derived hydrogel improves neovascularisation in full thickness wounds. <i>Acta Biomaterialia</i> , 2021 , 136, 199-209	10.8	1
28	Molecular imaging of arterial and venous thrombosis. <i>British Journal of Pharmacology</i> , 2021 , 178, 4246-4269	4.6	1
27	Uncoupling the Vicious Cycle of Mechanical Stress and Inflammation in Calcific Aortic Valve Disease.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 783543	5.4	1
26	Inherited Thrombophilias Are Associated With a Higher Risk of COVID-19-Associated Venous Thromboembolism: A Prospective Population-Based Cohort Study.. <i>Circulation</i> , 2022 , 145, 940-942	16.7	1
25	Trends and risk factors for omission of early thromboprophylaxis in Australian and New Zealand ICUs between 2009 and 2020.. <i>Intensive Care Medicine</i> , 2022 , 1	14.5	1
24	P2Y Inhibition in Murine Myocarditis Results in Reduced Platelet Infiltration and Preserved Ejection Fraction.. <i>Cells</i> , 2021 , 10,	7.9	1
23	Nanobiotechnology approaches for cardiovascular diseases: site-specific targeting of drugs and nanoparticles for atherothrombosis.. <i>Journal of Nanobiotechnology</i> , 2022 , 20, 75	9.4	0
22	Association of Global Coagulation Profiles With Cardiovascular Risk Factors and Atherosclerosis: A Sex Disaggregated Analysis From the BioHEART-CT Study. <i>Journal of the American Heart Association</i> , 2021 , 10, e020604	6	0
21	Avalanching nanoparticles bring new light to cardiovascular imaging. <i>Cardiovascular Research</i> , 2021 , 117, e60-e63	9.9	0
20	Platelets, coagulation, and the vascular wall: the quest to better understand and smarten up our therapeutic targeting of this triad in primary and secondary prevention of cardiovascular events. <i>Cardiovascular Research</i> , 2021 , 117, 1998-2000	9.9	0
19	The known knowns and known unknowns of vaccine-induced thrombotic thrombocytopenia. <i>Cardiovascular Research</i> , 2021 , 117, e147-e150	9.9	0
18	Totally Occluded Culprit Coronary Artery in Patients with Non-ST-Elevation Myocardial Infarction Undergoing Percutaneous Coronary Intervention. <i>American Journal of Cardiology</i> , 2021 , 156, 52-57	3	0
17	Off-target drug effects on platelet function: Protecting an Achilles heel of drug development. <i>Current Opinion in Toxicology</i> , 2019 , 17, 9-17	4.4	

- 16 Circulating HtrA2 after primary percutaneous coronary intervention in ST-segment elevation myocardial infarction: A potential novel biomarker for mitochondrial induced cardiomyocyte apoptosis and ischemia-reperfusion injury. *International Journal of Cardiology*, **2017**, 249, 437 3.2
- 15 Platelets in the pathogenesis of vascular disease and their role as a therapeutic target 201-226
- 14 Isoform-specific effects of protein phosphatase 1 on outside-in signalling of integrin α IIb β 3: a story told by genetic manipulation of platelet surrogate cells. *Thrombosis and Haemostasis*, **2013**, 109, 7 7
- 13 Targeting of thrombolytic and antithrombotic agents. *Fibrinolysis and Proteolysis*, **1997**, 11, 63-70
- 12 Platelets in the Pathogenesis of Vascular Disease and Their Role as a Therapeutic Target **2020**, 233-261
- 11 Association between pre-hospital chest pain severity and myocardial injury in ST elevation myocardial infarction: A post-hoc analysis of the AVOID study. *IJC Heart and Vasculature*, **2021**, 37, 100899[†]
- 10 Antiplatelet Drugs **2005**, 203-218
- 9 Platelet Integrins and Signaling **2005**, 21-42
- 8 Thrombus Targeting of Plasminogen Activators and Anticoagulants **2002**, 85-106
- 7 Phage Display and Subtractive Selection on Cells **2010**, 165-182
- 6 Transcatheter Aortic Valve Implantation, Atrial Fibrillation, and Bleeding: A Surprisingly Fatal Attraction. *Thrombosis and Haemostasis*, **2020**, 120, 1479-1482 7
- 5 Rescue PCI in the management of STEMI: Contemporary results from the Melbourne Interventional Group registry. *IJC Heart and Vasculature*, **2021**, 33, 100745 2.4
- 4 The effect of oxygen in Sirt3-mediated myocardial protection: a proof-of-concept study in cultured cardiomyoblasts. *Journal of Thrombosis and Thrombolysis*, **2018**, 46, 102-112 5.1
- 3 Early Endothelial Activation in a Mouse Model of Graft vs Host Disease Following Chemotherapy. *Frontiers in Immunology*, **2021**, 12, 708554 8.4
- 2 An activation specific anti-Mac-1 designed ankyrin repeat protein improves survival in a mouse model of acute lung injury.. *Scientific Reports*, **2022**, 12, 6296 4.9
- 1 3D-Printed Micro Lens-in-Lens for In Vivo Multimodal Microendoscopy (Small 17/2022). *Small*, **2022**, 18, 2270087 11