

Karlheinz Peter

List of Publications by Year in Descending Order

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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.

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	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
302	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
301	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
300	3D-Printed Micro Lens-in-Lens for In Vivo Multimodal Microendoscopy.. <i>Small</i> , 2022 , e2107032	11	6
299	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
298	An activation specific anti-Mac-1 designed ankyrin repeat protein improves survival in a mouse model of acute lung injury.. <i>Scientific Reports</i> , 2022 , 12, 6296	4.9	
297	3D-Printed Micro Lens-in-Lens for In Vivo Multimodal Microendoscopy (Small 17/2022). <i>Small</i> , 2022 , 18, 2270087	11	
296	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
295	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
294	Association between pre-hospital chest pain severity and myocardial injury in ST elevation myocardial infarction: A post-hoc analysis of the AVOID study. <i>IJC Heart and Vasculature</i> , 2021 , 37, 100899 ^{2,4}		
293	Mechanosensing by Piezo1 and its implications for physiology and various pathologies. <i>Biological Reviews</i> , 2021 ,	13.5	3
292	Multi-targeted H/F MRI unmasks specific danger patterns for emerging cardiovascular disorders. <i>Nature Communications</i> , 2021 , 12, 5847	17.4	9
291	Pharmacological inhibition of Factor XIIa attenuates abdominal aortic aneurysm, reduces atherosclerosis, and stabilizes atherosclerotic plaques. <i>Thrombosis and Haemostasis</i> , 2021 ,	7	1
290	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
289	Ultrasonic particles: An approach for targeted gene delivery. <i>Advanced Drug Delivery Reviews</i> , 2021 , 179, 113998	18.5	4
288	Generation of programmable dynamic flow patterns in microfluidics using audio signals. <i>Lab on A Chip</i> , 2021 , 21, 4672-4684	7.2	4
287	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

286	Smart Delivery of Plasminogen Activators for Efficient Thrombolysis; Recent Trends and Future Perspectives. <i>Advanced Therapeutics</i> , 2021 , 4, 2100047	4.9	2
285	Avalanching nanoparticles bring new light to cardiovascular imaging. <i>Cardiovascular Research</i> , 2021 , 117, e60-e63	9.9	0
284	Rescue PCI in the management of STEMI: Contemporary results from the Melbourne Interventional Group registry. <i>IJC Heart and Vasculature</i> , 2021 , 33, 100745	2.4	
283	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
282	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
281	Multimodality Intravascular Imaging of High-Risk Coronary Plaque. <i>JACC: Cardiovascular Imaging</i> , 2021 , 15, 145-145	8.4	8
280	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
279	Submassive Pulmonary Embolism: Current Perspectives and Future Directions. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	1
278	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
277	MicroRNAs as Biomarkers for Personalized Antiplatelet Therapy. <i>Thrombosis and Haemostasis</i> , 2021 , 121, 1121	7	1
276	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
275	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
274	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
273	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
272	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
271	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
270	Early Endothelial Activation in a Mouse Model of Graft vs Host Disease Following Chemotherapy. <i>Frontiers in Immunology</i> , 2021 , 12, 708554	8.4	
269	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

268	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
267	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
266	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
265	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
264	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
263	A platelet-derived hydrogel improves neovascularisation in full thickness wounds. <i>Acta Biomaterialia</i> , 2021 , 136, 199-209	10.8	1
262	Molecular imaging of arterial and venous thrombosis. <i>British Journal of Pharmacology</i> , 2021 , 178, 4246-4269	11.6	1
261	The known knowns and known unknowns of vaccine-induced thrombotic thrombocytopenia. <i>Cardiovascular Research</i> , 2021 , 117, e147-e150	9.9	0
260	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
259	P2Y Inhibition in Murine Myocarditis Results in Reduced Platelet Infiltration and Preserved Ejection Fraction.. <i>Cells</i> , 2021 , 10,	7.9	1
258	Cardiomyocyte microvesicles: proinflammatory mediators after myocardial ischemia?. <i>Journal of Thrombosis and Thrombolysis</i> , 2020 , 50, 533-542	5.1	1
257	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
256	Dynamic Solid-State Ultrasound Contrast Agent for Monitoring pH Fluctuations. <i>ACS Sensors</i> , 2020 , 5, 1190-1197	9.2	6
255	The Emerging Threat of (Micro)Thrombosis in COVID-19 and Its Therapeutic Implications. <i>Circulation Research</i> , 2020 , 127, 571-587	15.7	254
254	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
253	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
252	Platelets in the Pathogenesis of Vascular Disease and Their Role as a Therapeutic Target 2020 , 233-261		
251	Predicting the Risk of Recurrent Venous Thromboembolism: Current Challenges and Future Opportunities. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	4

250	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
249	Transcatheter Aortic Valve Implantation, Atrial Fibrillation, and Bleeding: A Surprisingly Fatal Attraction. <i>Thrombosis and Haemostasis</i> , 2020 , 120, 1479-1482	7	
248	Cardiovascular and Metabolic Protection by Vitamin E: A Matter of Treatment Strategy?. <i>Antioxidants</i> , 2020 , 9,	7.1	12
247	Tunable Harmonic Flow Patterns in Microfluidic Systems through Simple Tube Oscillation. <i>Small</i> , 2020 , 16, e2003612	11	4
246	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
245	Prehospital opioid dose and myocardial injury in patients with ST elevation myocardial infarction. <i>Open Heart</i> , 2020 , 7,	3	6
244	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
243	Fluorine-19 Magnetic Resonance Imaging of Activated Platelets. <i>Journal of the American Heart Association</i> , 2020 , 9, e016971	6	9
242	Combined Antiplatelet/Anticoagulant Drug for Cardiac Ischemia/Reperfusion Injury. <i>Circulation Research</i> , 2020 , 127, 1211-1213	15.7	5
241	Successful renal denervation decreases the platelet activation status in hypertensive patients. <i>Cardiovascular Research</i> , 2020 , 116, 202-210	9.9	9
240	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
239	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
238	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	
237	Pharmacological inhibition of LIM kinase pathway impairs platelets functionality and facilitates thrombolysis. <i>Experimental Cell Research</i> , 2019 , 382, 111458	4.2	2
236	Platelets in cardiac ischaemia/reperfusion injury: a promising therapeutic target. <i>Cardiovascular Research</i> , 2019 , 115, 1178-1188	9.9	42
235	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
234	A Self-Assembled Fluorescent Nanoprobe for Imaging and Therapy of Cardiac Ischemia/Reperfusion Injury. <i>Advanced Therapeutics</i> , 2019 , 2, 1800133	4.9	18
233	The vitamin E derivative garcinoic acid from Garcinia kola nut seeds attenuates the inflammatory response. <i>Redox Biology</i> , 2019 , 24, 101166	11.3	22

232	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
231	Generation of Cationic Nanoliposomes for the Efficient Delivery of In Vitro Transcribed Messenger RNA. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	3
230	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
229	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
228	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
227	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	7	15
226	Tocopherol preserves cardiac function by reducing oxidative stress and inflammation in ischemia/reperfusion injury. <i>Redox Biology</i> , 2019 , 26, 101292	11.3	79
225	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
224	Myocardial Infarction-From Atherosclerosis to Thrombosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, e176-e185	9.4	39
223	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
222	Extracellular HtrA2 Induces Apoptosis in Human Umbilical Vein Endothelial Cells. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	2
221	Opioids and ST Elevation Myocardial Infarction: A Systematic Review. <i>Heart Lung and Circulation</i> , 2019 , 28, 697-706	1.8	11
220	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
219	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
218	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
217	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
216	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
215	Dual-Targeted Theranostic Delivery of miRs Arrests Abdominal Aortic Aneurysm Development. <i>Molecular Therapy</i> , 2018 , 26, 1056-1065	11.7	32

214	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
213	Current and future antiplatelet therapies: emphasis on preserving haemostasis. <i>Nature Reviews Cardiology</i> , 2018 , 15, 181-191	14.8	129
212	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
211	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
210	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
209	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
208	Platelet lipidomics and function: joining the dots. <i>Blood</i> , 2018 , 132, 465-466	2.2	15
207	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
206	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
205	Platelet-targeted dual pathway antithrombotic inhibits thrombosis with preserved hemostasis. <i>JCI Insight</i> , 2018 , 3,	9.9	19
204	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
203	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
202	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
201	The effect of oxygen in Sirt3-mediated myocardial protection: a proof-of-concept study in cultured cardiomyoblasts. <i>Journal of Thrombosis and Thrombolysis</i> , 2018 , 46, 102-112	5.1	
200	Transitional changes in the CRP structure lead to the exposure of proinflammatory binding sites. <i>Nature Communications</i> , 2017 , 8, 14188	17.4	105
199	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
198	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
197	Cytotoxic lymphocytes and atherosclerosis: significance, mechanisms and therapeutic challenges. <i>British Journal of Pharmacology</i> , 2017 , 174, 3956-3972	8.6	21

196	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
195	Molecular Imaging of Atherothrombotic Diseases: Seeing Is Believing. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, 1029-1040	9.4	41
194	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
193	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
192	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
191	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
190	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
189	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
188	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
187	Molecular Sensors of Blood Flow in Endothelial Cells. <i>Trends in Molecular Medicine</i> , 2017 , 23, 850-868	11.5	93
186	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. <i>International Journal of Cardiology</i> , 2017 , 249, 437	3.2	
185	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
184	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
183	Therapeutic targeting in nanomedicine: the future lies in recombinant antibodies. <i>Nanomedicine</i> , 2017 , 12, 1873-1889	5.6	34
182	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
181	Platelet receptors as therapeutic targets: Past, present and future. <i>Thrombosis and Haemostasis</i> , 2017 , 117, 1249-1257	7	42
180	Targeting Activated Platelets: A Unique and Potentially Universal Approach for Cancer Imaging. <i>Theranostics</i> , 2017 , 7, 2565-2574	12.1	28
179	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

178	Platelet-Derived Microvesicles in Cardiovascular Diseases. <i>Frontiers in Cardiovascular Medicine</i> , 2017 , 4, 74	5.4	77
177	Prediction of acute coronary syndromes by urinary proteome analysis. <i>PLoS ONE</i> , 2017 , 12, e0172036	3.7	17
176	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
175	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
174	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
173	Forget about thrombosis: Platelets and Alzheimer's disease, yet another sticky situation. <i>Science Signaling</i> , 2016 , 9, fs9	8.8	3
172	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
171	Preimplantation factor prevents atherosclerosis via its immunomodulatory effects without affecting serum lipids. <i>Thrombosis and Haemostasis</i> , 2016 , 115, 1010-24	7	23
170	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
169	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
168	Staphylococcal SSL5-induced platelet microparticles provoke proinflammatory responses via the CD40/TRAF6/NF κ B signalling pathway in monocytes. <i>Thrombosis and Haemostasis</i> , 2016 , 115, 632-45	7	24
167	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
166	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
165	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
164	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
163	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
162	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
161	Obligatory Role for B Cells in the Development of Angiotensin II-Dependent Hypertension. <i>Hypertension</i> , 2015 , 66, 1023-33	8.5	134

160	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
159	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
158	Nanoporous Metal-Phenolic Particles as Ultrasound Imaging Probes for Hydrogen Peroxide. <i>Advanced Healthcare Materials</i> , 2015 , 4, 2170-2175	10.1	42
157	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
156	Multifunctional Thrombin-Activatable Polymer Capsules for Specific Targeting to Activated Platelets. <i>Advanced Materials</i> , 2015 , 27, 5153-7	24	62
155	Targeted Antithrombotic Protein Micelles. <i>Angewandte Chemie</i> , 2015 , 127, 1481-1485	3.6	5
154	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
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3	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
2	Patency trials with reteplase (r-PA): what do they tell us?. <i>American Journal of Cardiology</i> , 1996 , 78, 16-9	3	9
1	Platelets in the pathogenesis of vascular disease and their role as a therapeutic target	201-226	