

# Andreas Baumbach

## List of Publications by Year in Descending Order

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**Version:** 2024-04-29

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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.

78  
papers

9,024  
citations

19  
h-index

93  
g-index

93  
ext. papers

15,021  
ext. citations

5.6  
avg, IF

4.85  
L-index

#	Paper	IF	Citations
78	Outcomes of the Novel Supreme Drug-Eluting Stent in Complex Coronary Lesions: A PIONEER III Substudy <b>2022</b> , 1, 100004		1
77	Machine learning for atherosclerotic tissue component classification in combined near-infrared spectroscopy intravascular ultrasound imaging: Validation against histology.. <i>Atherosclerosis</i> , <b>2022</b> , 345, 15-25	3.1	
76	2021 ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure: Developed by the Task Force for the diagnosis and treatment of acute and chronic heart failure of the European Society of Cardiology (ESC). With the special contribution of the Heart Failure Association (HFA). <i>Journal of the American College of Cardiology</i> , <b>2022</b> , 81, 1-133	12.3	50
75	Safety and Efficacy of the Supreme Biodegradable Polymer Sirolimus-Eluting Stent in Patients With Diabetes Mellitus <b>2022</b> , 1, 100033		
74	European Society of Cardiology guidance for the diagnosis and management of cardiovascular disease during the COVID-19 pandemic: part 1-epidemiology, pathophysiology, and diagnosis. <i>Cardiovascular Research</i> , <b>2021</b> ,	9.9	3
73	Coronary Revascularization in Patients Undergoing Aortic Valve Replacement for Severe Aortic Stenosis. <i>JACC: Cardiovascular Interventions</i> , <b>2021</b> , 14, 2083-2096	5	4
72	Iatrogenic catheter-induced ostial coronary artery dissections: Prevalence, management, and mortality from a cohort of 55,968 patients over 10 years. <i>Catheterization and Cardiovascular Interventions</i> , <b>2021</b> , 98, 649-655	2.7	3
71	The use of novel oral anticoagulants compared to vitamin K antagonists (warfarin) in patients with left ventricular thrombus after acute myocardial infarction. <i>European Heart Journal - Cardiovascular Pharmacotherapy</i> , <b>2021</b> , 7, 398-404	6.4	36
70	Non-implant valve repair for calcific aortic stenosis: the Leaflex study. <i>EuroIntervention</i> , <b>2021</b> , 16, 1366-1369	3.6	1
69	Multi-modality intravascular imaging for guiding coronary intervention and assessing coronary atheroma: the Novasight Hybrid IVUS-OCT system. <i>Minerva Cardiology and Angiology</i> , <b>2021</b> , 69, 655-670	2.4	1
68	The management of secondary mitral regurgitation in patients with heart failure: a joint position statement from the Heart Failure Association (HFA), European Association of Cardiovascular Imaging (EACVI), European Heart Rhythm Association (EHRA), and European Association of Percutaneous Cardiovascular Interventions (EAPCI) of the ESC. <i>European Heart Journal</i> , <b>2021</b> ,	9.5	29
67	COVID-19 and changes in activity and treatment of ST elevation MI from a UK cardiac centre. <i>IJC Heart and Vasculature</i> , <b>2021</b> , 33, 100736	2.4	1
66	Wall shear stress estimated by 3D-QCA can predict cardiovascular events in lesions with borderline negative fractional flow reserve. <i>Atherosclerosis</i> , <b>2021</b> , 322, 24-30	3.1	5
65	A randomized evaluation of the TriGuard <sup>®</sup> HDH cerebral embolic protection device to Reduce the Impact of Cerebral Embolic LESions after TransCatheter Aortic Valve ImplanTation: the REFLECT I trial. <i>European Heart Journal</i> , <b>2021</b> , 42, 2670-2679	9.5	11
64	Prognostically relevant periprocedural myocardial injury and infarction associated with percutaneous coronary interventions: a Consensus Document of the ESC Working Group on Cellular Biology of the Heart and European Association of Percutaneous Cardiovascular Interventions (EAPCI). <i>European Heart Journal</i> , <b>2021</b> , 42, 2610-2612	9.5	13
63	Development of a novel CT-derived measure of cardiovascular health: the CT aortic stiffness index (CTASI). <i>Clinical Research in Cardiology</i> , <b>2021</b> , 110, 1781-1791	6.1	2
62	Meta-Analysis of Gender Disparities in In-hospital Care and Outcomes in Patients with ST-Segment Elevation Myocardial Infarction. <i>American Journal of Cardiology</i> , <b>2021</b> , 147, 23-32	3	4

61	Novel Supreme Drug-Eluting Stents With Early Synchronized Antiproliferative Drug Delivery to Inhibit Smooth Muscle Cell Proliferation After Drug-Eluting Stents Implantation in Coronary Artery Disease: Results of the PIONEER III Randomized Clinical Trial. <i>Circulation</i> , <b>2021</b> , 143, 2143-2154	16.7	3
60	Antithrombotic therapy in patients with acute coronary syndrome complicated by cardiogenic shock or out-of-hospital cardiac arrest: a joint position paper from the European Society of Cardiology (ESC) Working Group on Thrombosis, in association with the Acute Cardiovascular Care Association (ACCA). <i>European Heart Journal</i> , <b>2021</b> , 42, 298-307	6.4	16
59	Interdisciplinary management of acute ischaemic stroke: Current evidence training requirements for endovascular stroke treatment. Position Paper from the ESC Council on Stroke and the European Association for Percutaneous Cardiovascular Interventions with the support of the European Board of Neurointervention. <i>European Heart Journal</i> , <b>2021</b> , 42, 298-307	9.5	6
58	Therapeutic Implications of COVID-19 for the Interventional Cardiologist. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , <b>2021</b> , 26, 203-216	2.6	3
57	Diagnostic accuracy of quantitative flow ratio (QFR) and vessel fractional flow reserve (vFFR) estimated retrospectively by conventional radiation saving X-ray angiography. <i>International Journal of Cardiovascular Imaging</i> , <b>2021</b> , 37, 1491-1501	2.5	1
56	A deep learning methodology for the automated detection of end-diastolic frames in intravascular ultrasound images. <i>International Journal of Cardiovascular Imaging</i> , <b>2021</b> , 37, 1825-1837	2.5	3
55	Large Bore Vascular Access Closure Device Strategies. <i>Structural Heart</i> , <b>2021</b> , 5, 186-191	0.6	0
54	Performing elective cardiac invasive procedures during the COVID-19 outbreak: a position statement from the European Association of Percutaneous Cardiovascular Interventions (EAPCI). <i>EuroIntervention</i> , <b>2021</b> , 16, 1177-1186	3.1	6
53	Uncovered non-apposed side-branch struts in a bifurcation lesion: a nidus for late stent thrombosis. <i>Hellenic Journal of Cardiology</i> , <b>2021</b> , 63, 96-96	2.1	0
52	2021 ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure. <i>European Heart Journal</i> , <b>2021</b> , 42, 3599-3726	9.5	875
51	Advanced deep learning methodology for accurate, real-time segmentation of high-resolution intravascular ultrasound images. <i>International Journal of Cardiology</i> , <b>2021</b> , 339, 185-191	3.2	4
50	Computerized technologies informing cardiac catheterization and guiding coronary intervention. <i>American Heart Journal</i> , <b>2021</b> , 240, 28-45	4.9	0
49	The impact of the COVID-19 pandemic on the delivery of primary percutaneous coronary intervention in STEMI. <i>American Journal of Cardiovascular Disease</i> , <b>2021</b> , 11, 647-658	0.9	
48	Early Hospital Discharge Following PCI for Patients With STEMI.. <i>Journal of the American College of Cardiology</i> , <b>2021</b> , 78, 2550-2560	15.1	1
47	Validation of the CREST score for predicting circulatory-aetiology death in out-of-hospital cardiac arrest without STEMI.. <i>American Journal of Cardiovascular Disease</i> , <b>2021</b> , 11, 723-733	0.9	
46	Computerised Methodologies for Non-Invasive Angiography-Derived Fractional Flow Reserve Assessment: A Critical Review. <i>Journal of Interventional Cardiology</i> , <b>2020</b> , 2020, 6381637	1.8	5
45	EAPCI Position Statement on Invasive Management of Acute Coronary Syndromes during the COVID-19 pandemic. <i>European Heart Journal</i> , <b>2020</b> , 41, 1839-1851	9.5	76
44	Predictive value of the QFR in detecting vulnerable plaques in non-flow limiting lesions: a combined analysis of the PROSPECT and IBIS-4 study. <i>International Journal of Cardiovascular Imaging</i> , <b>2020</b> , 36, 993-1002	2.5	3

43	Mapping interventional cardiology in Europe: the European Association of Percutaneous Cardiovascular Interventions (EAPCI) Atlas Project. <i>European Heart Journal</i> , <b>2020</b> , 41, 2579-2588	9.5	16
42	An EAPCI Expert Consensus Document on Ischaemia with Non-Obstructive Coronary Arteries in Collaboration with European Society of Cardiology Working Group on Coronary Pathophysiology & Microcirculation Endorsed by Coronary Vasomotor Disorders International Study Group. <i>European Heart Journal</i> , <b>2020</b> , 41, 3504-3520	9.5	106
41	Intravascular ultrasound-guided management of ST-elevation myocardial infarction in a patient with lung cancer and myocardial metastasis. <i>European Heart Journal</i> , <b>2020</b> , 41, 3201	9.5	1
40	The Evolution of Data Fusion Methodologies Developed to Reconstruct Coronary Artery Geometry From Intravascular Imaging and Coronary Angiography Data: A Comprehensive Review. <i>Frontiers in Cardiovascular Medicine</i> , <b>2020</b> , 7, 33	5.4	1
39	The year in cardiology: coronary interventions?The year in cardiology 2019. <i>Cardiologia Croatica</i> , <b>2020</b> , 15, 114-131	0	1
38	TAVI in patients with reduced life expectancy. <i>EuroIntervention</i> , <b>2020</b> , 16, 794-796	3.1	
37	Routine aspiration thrombectomy is associated with increased stroke rates during primary percutaneous coronary intervention for myocardial infarction. <i>American Journal of Cardiovascular Disease</i> , <b>2020</b> , 10, 548-556	0.9	
36	Shear Stress Estimated by Quantitative Coronary Angiography Predicts Plaques Prone to Progress and Cause Events. <i>JACC: Cardiovascular Imaging</i> , <b>2020</b> , 13, 2206-2219	8.4	11
35	Optical coherence tomography enables more accurate detection of functionally significant intermediate non-left main coronary artery stenoses than intravascular ultrasound: A meta-analysis of 6919 patients and 7537 lesions. <i>International Journal of Cardiology</i> , <b>2020</b> , 301, 226-234	3.2	9
34	Adjunctive Antithrombotic Therapy for Patients With Aortic Stenosis Undergoing Transcatheter Aortic Valve Replacement. <i>JAMA Cardiology</i> , <b>2020</b> , 5, 92-101	16.2	8
33	Clinical outcomes of complex lesions treated with an abluminal groove-filled biodegradable polymer sirolimus-eluting stent and durable polymer everolimus-eluting stent. <i>Catheterization and Cardiovascular Interventions</i> , <b>2020</b> , 96, 1023-1028	2.7	2
32	Validation of the all-comers design: Results of the TARGET-AC substudy. <i>American Heart Journal</i> , <b>2020</b> , 221, 148-154	4.9	
31	Endothelial shear stress and vascular remodeling in bioresorbable scaffold and metallic stent. <i>Atherosclerosis</i> , <b>2020</b> , 312, 79-89	3.1	
30	High Thrombus Burden in Patients With COVID-19 Presenting With ST-Segment Elevation Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 76, 1168-1176	15.1	116
29	An Observational Study Assessing Immediate Complete Versus Delayed Complete Revascularisation in Patients with Multi-Vessel Disease Undergoing Primary Percutaneous Coronary Intervention. <i>Clinical Medicine Insights: Cardiology</i> , <b>2020</b> , 14, 1179546820951792	3.2	
28	Evaluation of the Efficacy of Computed Tomographic Coronary Angiography in Assessing Coronary Artery Morphology and Physiology: Rationale and Study Design. <i>Cardiology</i> , <b>2020</b> , 145, 285-293	1.6	2
27	Reliable in vivo intravascular imaging plaque characterization: A challenge unmet. <i>American Heart Journal</i> , <b>2019</b> , 218, 20-31	4.9	4
26	Serial Optical Coherence Tomography at Baseline, 7 Days, and 1, 3, 6 and 12 Months After Bioresorbable Scaffold Implantation in a Growing Porcine Model. <i>Circulation Journal</i> , <b>2019</b> , 83, 556-566	2.9	1

25	2-Year Clinical Outcomes of an Abluminal Groove-Filled Biodegradable-Polymer Sirolimus-Eluting Stent Compared With a Durable-Polymer Everolimus-Eluting Stent. <i>JACC: Cardiovascular Interventions</i> , <b>2019</b> , 12, 1679-1687	5	6
24	Mitral regurgitation in heart failure: time for a rethink. <i>European Heart Journal</i> , <b>2019</b> , 40, 2189-2193	9.5	28
23	Implications of the local haemodynamic forces on the phenotype of coronary plaques. <i>Heart</i> , <b>2019</b> , 105, 1078-1086	5.1	9
22	Five-year clinical outcomes and intracoronary imaging findings of the COMFORTABLE AMI trial: randomized comparison of biodegradable polymer-based biolimus-eluting stents with bare-metal stents in patients with acute ST-segment elevation myocardial infarction. <i>European Heart Journal</i> , <b>2019</b> , 40, 1909-1919	9.5	17
21	The Impact of Cell Therapy on Cardiovascular Outcomes in Patients With Refractory Angina. <i>Circulation Research</i> , <b>2019</b> , 124, 1786-1795	15.7	8
20	Management of cardiogenic shock in patients with acute coronary syndromes. <i>British Journal of Hospital Medicine (London, England: 2005)</i> , <b>2019</b> , 80, 204-210	0.8	1
19	2018 ESC/EACTS Guidelines on myocardial revascularization. <i>European Heart Journal</i> , <b>2019</b> , 40, 87-165	9.5	2408
18	Efficacy and Reproducibility of Attenuation-Compensated Optical Coherence Tomography for Assessing External Elastic Membrane Border and Plaque Composition in Native and Stented Segments - An In Vivo and Histology-Based Study. <i>Circulation Journal</i> , <b>2019</b> , 84, 91-100	2.9	3
17	Pulse wave velocity can be accurately measured during transcatheter aortic valve implantation and used for post-procedure risk stratification. <i>Journal of Hypertension</i> , <b>2019</b> , 37, 1845-1852	1.9	8
16	Advancing the evidence base in interventional cardiology. <i>Nature Reviews Cardiology</i> , <b>2019</b> , 16, 79-81	14.8	
15	Clinical performance of a dedicated self-apposing stent for the treatment of left main stem disease. Results of the left Main Angioplasty with a Self-apposing Stent - the MATISSE study. <i>Cardiovascular Revascularization Medicine</i> , <b>2018</b> , 19, 831-836	1.6	5
14	Proposed Standardized Neurological Endpoints for Cardiovascular Clinical Trials: An Academic Research Consortium Initiative. <i>European Heart Journal</i> , <b>2018</b> , 39, 1687-1697	9.5	19
13	2017 ESC Guidelines for the management of acute myocardial infarction in patients presenting with ST-segment elevation: The Task Force for the management of acute myocardial infarction in patients presenting with ST-segment elevation of the European Society of Cardiology (ESC). <i>European Heart Journal</i> , <b>2018</b> , 39, 119-177	9.5	4237
12	Report of an ESC-EAPCI Task Force on the evaluation and use of bioresorbable scaffolds for percutaneous coronary intervention: executive summary. <i>European Heart Journal</i> , <b>2018</b> , 39, 1591-1601	9.5	31
11	Changes in Periprocedural Bleeding Complications Following Percutaneous Coronary Intervention in The United Kingdom Between 2006 and 2013 (from the British Cardiovascular Interventional Society). <i>American Journal of Cardiology</i> , <b>2018</b> , 122, 952-960	3	3
10	Sex disparities in acute myocardial infarction care and outcomes. <i>Catheterization and Cardiovascular Interventions</i> , <b>2018</b> , 92, E341-E347	2.7	4
9	Targeted therapy with a localised abluminal groove, low-dose sirolimus-eluting, biodegradable polymer coronary stent (TARGET All Comers): a multicentre, open-label, randomised non-inferiority trial. <i>Lancet, The</i> , <b>2018</b> , 392, 1117-1126	40	31
8	Proposed Standardized Neurological Endpoints for Cardiovascular Clinical Trials: An Academic Research Consortium Initiative. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 69, 679-691	15.1	69

7	Standardized definitions of structural deterioration and valve failure in assessing long-term durability of transcatheter and surgical aortic bioprosthetic valves: a consensus statement from the European Association of Percutaneous Cardiovascular Interventions (EAPCI) endorsed by the European Society of Cardiology (ESC) and the European Association for Cardio-Thoracic Surgery (EACTS). <i>European Heart Journal</i> , 2017, 38, 338-350.	9.5	198
6	Standardized definitions of structural deterioration and valve failure in assessing long-term durability of transcatheter and surgical aortic bioprosthetic valves: a consensus statement from the European Association of Percutaneous Cardiovascular Interventions (EAPCI) endorsed by the European Society of Cardiology (ESC) and the European Association for Cardio-Thoracic Surgery (EACTS). <i>European Journal of Cardio-thoracic Surgery</i> , 2017, 53, 408-417.	3	88
5	Introducing a new EAPCI programme: the Valve for Life initiative. <i>EuroIntervention</i> , 2016, 11, 977-9	3.1	9
4	Report of a European Society of Cardiology-European Association of Percutaneous Cardiovascular Interventions task force on the evaluation of coronary stents in Europe: executive summary. <i>European Heart Journal</i> , 2015, 36, 2608-20	9.5	145
3	Incidence and Potential Mechanism(s) of Post-Procedural Rise of Cardiac Biomarker in Patients With Coronary Artery Narrowing After Implantation of an Everolimus-Eluting Bioresorbable Vascular Scaffold or Everolimus-Eluting Metallic Stent. <i>JACC: Cardiovascular Interventions</i> , 2015, 8, 1053-1063	5	27
2	A prospective randomized evaluation of the TriGuard <sup>®</sup> HDH embolic DEFLECTION device during transcatheter aortic valve implantation: results from the DEFLECT III trial. <i>European Heart Journal</i> , 2015, 36, 2070-2078	9.5	178
1	Safety and performance of a novel embolic deflection device in patients undergoing transcatheter aortic valve replacement: results from the DEFLECT I study. <i>EuroIntervention</i> , 2015, 11, 75-84	3.1	41