Danny Dvir

List of Publications by Citations

224 papers	9,031 citations	54 h-index	89 g-index
310 ext. papers	11,559 ext. citations	4.1 avg, IF	5.76 L-index

#	Paper	IF	Citations
224	Transcatheter aortic valve implantation in failed bioprosthetic surgical valves. *JAMA - Journal of the American Medical Association*, **2014**, 312, 162-70	27.4	568
223	Transcatheter aortic valve replacement for degenerative bioprosthetic surgical valves: results from the global valve-in-valve registry. *Circulation*, **2012**, 126, 2335-44	16.7	412
222	Outcomes in Transcatheter Aortic Valve Replacement for Bicuspid Versus Tricuspid Aortic Valve Stenosis. *Journal of the American College of Cardiology*, **2017**, 69, 2579-2589	15.1	240
221	Transcatheter aortic valve replacement in bicuspid aortic valve disease. *Journal of the American College of Cardiology*, **2014**, 64, 2330-9	15.1	228
220	Transcatheter Aortic Valve Implantation Within Degenerated Aortic Surgical Bioprostheses: PARTNER 2 Valve-in-Valve Registry. *Journal of the American College of Cardiology*, **2017**, 69, 2253-2262	15.1	207
219	Transcatheter Mitral Valve Replacement in Native Mitral Valve Disease With Severe Mitral Annular Calcification: Results From the First Multicenter Global Registry. *JACC: Cardiovascular Interventions*, **2016**, 9, 1361-71	5	196
218	Standardized Definition of Structural Valve Degeneration for Surgical and Transcatheter Bioprosthetic Aortic Valves. *Circulation*, **2018**, 137, 388-399	16.7	194
217	1-Year Outcomes of Transcatheter Mitral Valve Replacement in Patients With Severe Mitral Annular Calcification. *Journal of the American College of Cardiology*, **2018**, 71, 1841-1853	15.1	189
216	Infective endocarditis after transcatheter aortic valve implantation: results from a large multicenter registry. *Circulation*, **2015**, 131, 1566-74	16.7	162
215	Incidence, predictors, and clinical outcomes of coronary obstruction following transcatheter aortic valve replacement for degenerative bioprosthetic surgical valves: insights from the VIVID registry. *European Heart Journal*, **2018**, 39, 687-695	9.5	158
214	Predicting LVOT Obstruction in Transcatheter Mitral Valve Implantation: Concept of the Neo-LVOT. *JACC: Cardiovascular Imaging*, **2017**, 10, 482-485	8.4	155
213	Clinical implications of new-onset left bundle branch block after transcatheter aortic valve replacement: analysis of the PARTNER experience. *European Heart Journal*, **2014**, 35, 1599-607	9.5	149
212	Transcatheter Aortic Valve Replacement With Early- and New-Generation Devices in Bicuspid Aortic Valve Stenosis. *Journal of the American College of Cardiology*, **2016**, 68, 1195-1205	15.1	144
211	Coronary obstruction in transcatheter aortic valve-in-valve implantation: preprocedural evaluation, device selection, protection, and treatment. *Circulation: Cardiovascular Interventions*, **2015**, 8,	6	135
210	Transcatheter Tricuspid Valve-in-Valve Implantation for the Treatment of Dysfunctional Surgical Bioprosthetic Valves: An International, Multicenter Registry Study. *Circulation*, **2016**, 133, 1582-93	16.7	128
209	A Bicuspid Aortic Valve Imaging Classification for the TAVR Era. *JACC: Cardiovascular Imaging*, **2016**, 9, 1145-1158	8.4	124
208	Bicuspid Aortic Valve Stenosis: Favorable Early Outcomes With a Next-Generation Transcatheter Heart Valve in a Multicenter Study. *JACC: Cardiovascular Interventions*, **2016**, 9, 817-824	5	121

207	Multimodality Imaging in the Context of Transcatheter Mitral Valve Replacement: Establishing Consensus Among Modalities and Disciplines. *JACC: Cardiovascular Imaging*, **2015**, 8, 1191-1208	8.4	120
206	Revisiting Sex Equality With Transcatheter Aortic Valve Replacement Outcomes: A Collaborative, Patient-Level Meta-Analysis of 11,310 Patients. *Journal of the American College of Cardiology*, **2015**, 66, 221-228	15.1	119
205	Bioprosthetic Valve Fracture Improves the Hemodynamic Results of Valve-in-Valve Transcatheter Aortic Valve Replacement. *Circulation: Cardiovascular Interventions*, **2017**, 10,	6	113
204	Transcatheter Aortic and Mitral Valve-in-Valve Implantation for Failed Surgical Bioprosthetic Valves: An 8-Year Single-Center Experience. *JACC: Cardiovascular Interventions*, **2015**, 8, 1735-44	5	112
203	Incidence and predictors of acute kidney injury after transcatheter aortic valve replacement. *American Heart Journal*, **2012**, 163, 1031-6	4.9	112
202	First-in-Man Experience of a Novel Transcatheter Repair System for Treating Severe Tricuspid Regurgitation. *Journal of the American College of Cardiology*, **2015**, 66, 2475-83	15.1	110
201	Transcatheter Laceration of Aortic Leaflets to Prevent Coronary Obstruction During Transcatheter Aortic Valve Replacement: Concept to First-in-Human. *JACC: Cardiovascular Interventions*, **2018**, 11, 677-689	5	110
200	Delayed Coronary Obstruction After Transcatheter Aortic Valve Replacement. *Journal of the American College of Cardiology*, **2018**, 71, 1513-1524	15.1	102
199	The BASILICA Trial: Prospective Multicenter Investigation of Intentional Leaflet Laceration to Prevent TAVR Coronary Obstruction. *JACC: Cardiovascular Interventions*, **2019**, 12, 1240-1252	5	99
198	The Vancouver 3M (Multidisciplinary, Multimodality, But Minimalist) Clinical Pathway Facilitates Safe Next-Day Discharge Home at Low-, Medium-, and High-Volume Transfemoral Transcatheter Aortic Valve Replacement Centers: The 3M TAVR Study. *JACC: Cardiovascular Interventions*, **2019**, 12, 459-469	5	98
197	Incidence and severity of paravalvular aortic regurgitation with multidetector computed tomography nominal area oversizing or undersizing after transcatheter heart valve replacement with the Sapien 3: a comparison with the Sapien XT. *JACC: Cardiovascular Interventions*, **2015**, 8, 462-471	5	97
196	Comparison of vascular closure devices for access site closure after transfemoral aortic valve implantation. *European Heart Journal*, **2015**, 36, 3370-9	9.5	97
195	Predictors and course of high-degree atrioventricular block after transcatheter aortic valve implantation using the CoreValve Revalving System. *American Journal of Cardiology*, **2011**, 108, 1600-5	3	94
194	Vancouver Transcatheter Aortic Valve Replacement Clinical Pathway: Minimalist Approach, Standardized Care, and Discharge Criteria to Reduce Length of Stay. *Circulation: Cardiovascular Quality and Outcomes*, **2016**, 9, 312-21	5.8	93
193	Advanced chronic kidney disease in patients undergoing transcatheter aortic valve implantation: insights on clinical outcomes and prognostic markers from a large cohort of patients. *European Heart Journal*, **2014**, 35, 2685-96	9.5	92
192	A simplified D-shaped model of the mitral annulus to facilitate CT-based sizing before transcatheter mitral valve implantation. *Journal of Cardiovascular Computed Tomography*, **2014**, 8, 459-67	2.8	88
191	Mitral Annular Evaluation With CT in the Context of Transcatheter Mitral Valve Replacement. *JACC: Cardiovascular Imaging*, **2015**, 8, 612-615	8.4	85
190	Transcatheter aortic valve replacement with new-generation devices: A systematic review and meta-analysis. *International Journal of Cardiology*, **2017**, 245, 83-89	3.2	81

189	Transcatheter aortic valve replacement for bioprosthetic aortic valve failure: the valve-in-valve procedure. *Circulation*, **2013**, 127, 2542-50	16.7	81
188	Bioprosthetic Valve Fracture to Facilitate Transcatheter Valve-in-Valve Implantation. *Annals of Thoracic Surgery*, **2017**, 104, 1501-1508	2.7	78
187	Impact of low-profile sheaths on vascular complications during transfemoral transcatheter aortic valve replacement. *EuroIntervention*, **2013**, 9, 929-35	3.1	78
186	Thirty-Day Outcomes of Transcatheter Mitral Valve Replacement for Degenerated Mitral Bioprostheses (Valve-in-Valve), Failed Surgical Rings (Valve-in-Ring), and Native Valve With Severe Mitral Annular Calcification (Valve-in-Mitral Annular Calcification) in the United States: Data From	6	75
185	Outcomes of patients with chronic lung disease and severe aortic stenosis treated with transcatheter versus surgical aortic valve replacement or standard therapy: insights from the PARTNER trial (placement of AoRTic TraNscathetER Valve). *Journal of the American College of Cardiology*, **2014**, 63, 269-79	15.1	75
184	Transcatheter aortic valve implantation in patients with bicuspid aortic valve: A patient level multi-center analysis. *International Journal of Cardiology*, **2015**, 189, 282-8	3.2	74
183	Comparison of hemodynamic performance of the balloon-expandable SAPIEN 3 versus SAPIEN XT transcatheter valve. *American Journal of Cardiology*, **2014**, 114, 1075-82	3	72
182	Transcatheter Tricuspid Valve Repair With a New Transcatheter Coaptation System for the Treatment of Severe Tricuspid Regurgitation: 1-Year Clinical and Echocardiographic Results. *JACC: Cardiovascular Interventions*, **2017**, 10, 1994-2003	5	71
181	Transcatheter Replacement of Failed Bioprosthetic Valves: Large Multicenter Assessment of the Effect of Implantation Depth on Hemodynamics After Aortic Valve-in-Valve. *Circulation: Cardiovascular Interventions*, **2016**, 9,	6	69
180	3-Year Outcomes After Valve-in-Valve Transcatheter Aortic Valve Replacement for Degenerated Bioprostheses: The PARTNER 2 Registry. *Journal of the American College of Cardiology*, **2019**, 73, 2647-2655	15.1	63
179	Preventing Coronary Obstruction During Transcatheter Aortic Valve Replacement: From Computed Tomography to BASILICA. *JACC: Cardiovascular Interventions*, **2019**, 12, 1197-1216	5	63
178	Prevalence and impact of preoperative moderate/severe tricuspid regurgitation on patients undergoing transcatheter aortic valve replacement. *Catheterization and Cardiovascular Interventions*, **2015**, 85, 677-84	2.7	63
177	The impact of calcium volume and distribution in aortic root injury related to balloon-expandable transcatheter aortic valve replacement. *Journal of Cardiovascular Computed Tomography*, **2015**, 9, 382-92	2.8	62
176	Transcatheter Valve-in-Ring Implantation for the Treatment of Residual or Recurrent Tricuspid Valve Dysfunction After Prior Surgical Repair. *JACC: Cardiovascular Interventions*, **2017**, 10, 53-63	5	59
175	Impact of Pre-Existing Prosthesis-Patient Mismatch on Survival Following Aortic Valve-in-Valve Procedures. *JACC: Cardiovascular Interventions*, **2018**, 11, 133-141	5	57
174	Mitral Annular Dimensions and Geometry in Patients With Functional Mitral Regurgitation and Mitral Valve Prolapse: Implications for Transcatheter Mitral Valve Implantation. *JACC: Cardiovascular Imaging*, **2016**, 9, 269-80	8.4	56
173	Atrial Fibrillation Is Associated With Increased Mortality in Patients Undergoing Transcatheter Aortic Valve Replacement: Insights From the Placement of Aortic Transcatheter Valve (PARTNER) Trial. *Circulation: Cardiovascular Interventions*, **2016**, 9, e002766	6	55
172	Relation between six-minute walk test performance and outcomes after transcatheter aortic valve implantation (from the PARTNER trial). *American Journal of Cardiology*, **2013**, 112, 700-6	3	55

171	Computed tomography assessment for transcatheter aortic valve in valve implantation: The vancouver approach to predict anatomical risk for coronary obstruction and other considerations. *Journal of Cardiovascular Computed Tomography*, **2016**, 10, 491-499	2.8	54
170	Balloon aortic valvuloplasty for severe aortic stenosis as a bridge to transcatheter/surgical aortic valve replacement. *Catheterization and Cardiovascular Interventions*, **2013**, 82, 632-7	2.7	53
169	Acquired thrombocytopenia after transcatheter aortic valve replacement: clinical correlates and association with outcomes. *European Heart Journal*, **2014**, 35, 2663-71	9.5	49
168	Mid-Term Valve-Related Outcomes After Transcatheter Tricuspid Valve-in-Valve or Valve-in-Ring Replacement. *Journal of the American College of Cardiology*, **2019**, 73, 148-157	15.1	49
167	Transcatheter aortic valve-in-valve implantation for patients with degenerative surgical bioprosthetic valves. *Current Problems in Cardiology*, **2014**, 39, 7-27	17.1	47
166	Dynamism of the aortic annulus: Effect of diastolic versus systolic CT annular measurements on device selection in transcatheter aortic valve replacement (TAVR). *Journal of Cardiovascular Computed Tomography*, **2016**, 10, 37-43	2.8	46
165	Long-term outcomes after transcatheter aortic valve implantation in failed bioprosthetic valves. *European Heart Journal*, **2020**, 41, 2731-2742	9.5	46
164	Multicenter evaluation of transcatheter aortic valve replacement using either SAPIEN XT or CoreValve: Degree of device oversizing by computed-tomography and clinical outcomes. *Catheterization and Cardiovascular Interventions*, **2015**, 86, 508-15	2.7	46
163	Underexpansion and ad hoc post-dilation in selected patients undergoing balloon-expandable transcatheter aortic valve replacement. *Journal of the American College of Cardiology*, **2014**, 63, 976-81	15.1	46
162	Bioprosthetic valve fracture: Technical insights from a multicenter study. *Journal of Thoracic and Cardiovascular Surgery*, **2019**, 158, 1317-1328.e1	1.5	43
161	Prevalence and effect of myocardial injury after transcatheter aortic valve replacement. *American Journal of Cardiology*, **2013**, 111, 1337-43	3	43
160	The state of the excimer laser for coronary intervention in the drug-eluting stent era. *Cardiovascular Revascularization Medicine*, **2013**, 14, 93-8	1.6	42
159	Computed Tomography-Based Oversizing Degrees and Incidence of Paravalvular Regurgitation of a New Generation Transcatheter Heart Valve. *JACC: Cardiovascular Interventions*, **2017**, 10, 810-820	5	40
158	Prediction of fluoroscopic angulation and coronary sinus location by CT in the context of transcatheter mitral valve implantation. *Journal of Cardiovascular Computed Tomography*, **2015**, 9, 183-92	2.8	40
157	Transcatheter valve-in-valve versus redo surgical aortic valve replacement for the treatment of degenerated bioprosthetic aortic valve: A systematic review and meta-analysis. *Catheterization and Cardiovascular Interventions*, **2018**, 92, 1404-1411	2.7	40
156	Incidence, predictors and clinical outcomes of residual stenosis after aortic valve-in-valve. *Heart*, **2018**, 104, 828-834	5.1	39
155	In vitro evaluation of implantation depth in valve-in-valve using different transcatheter heart valves. *EuroIntervention*, **2016**, 12, 909-17	3.1	37
154	Transcatheter aortic valve-in-valve implantation for patients with degenerative surgical bioprosthetic valves. *Circulation Journal*, **2015**, 79, 695-703	2.9	35

153	Multicenter evaluation of Edwards SAPIEN positioning during transcatheter aortic valve implantation with correlates for device movement during final deployment. *JACC: Cardiovascular Interventions*, **2012**, 5, 563-570	5	35
152	Three-dimensional coronary reconstruction from routine single-plane coronary angiograms: in vivo quantitative validation. *International Journal of Cardiovascular Interventions*, **2005**, 7, 141-5		34
151	Predictors and clinical implications of atrial fibrillation in patients with severe aortic stenosis undergoing transcatheter aortic valve implantation. *Catheterization and Cardiovascular Interventions*, **2015**, 85, 468-77	2.7	33
150	Chimney Stenting for Coronary Occlusion During TAVR: Insights From the Chimney Registry. *JACC: Cardiovascular Interventions*, **2020**, 13, 751-761	5	33
149	Correlation of brain natriuretic peptide levels in patients with severe aortic stenosis undergoing operative valve replacement or percutaneous transcatheter intervention with clinical, echocardiographic, and hemodynamic factors and prognosis. *American Journal of Cardiology*, **2013**, 112, 574-9	3	33
148	Transcatheter Aortic Valve Replacement in Oncology Patients With Severe Aortic Stenosis. *JACC: Cardiovascular Interventions*, **2019**, 12, 78-86	5	33
147	Effect of transcatheter aortic valve size and position on valve-in-valve hemodynamics: An in vitro study. *Journal of Thoracic and Cardiovascular Surgery*, **2017**, 153, 1303-1315.e1	1.5	32
146	Comparison of adverse outcomes after contemporary percutaneous coronary intervention in women versus men with acute coronary syndrome. *American Journal of Cardiology*, **2013**, 111, 1092-8	3	31
145	Clinical Valve Thrombosis After Transcatheter Aortic Valve-in-Valve Implantation. *Circulation: Cardiovascular Interventions*, **2018**, 11, e006730	6	31
144	Risk stratification and clinical pathways to optimize length of stay after transcatheter aortic valve replacement. *Canadian Journal of Cardiology*, **2014**, 30, 1583-7	3.8	30
143	Impact of transapical aortic valve replacement on apical wall motion. *Journal of the American Society of Echocardiography*, **2013**, 26, 255-60	5.8	28
142	Relation of preprocedural assessment of myocardial contractility reserve on outcomes of aortic stenosis patients with impaired left ventricular function undergoing transcatheter aortic valve implantation. *American Journal of Cardiology*, **2014**, 113, 1536-42	3	27
141	Mitral valve-in-valve and valve-in-ring: technical aspects and procedural outcomes. *EuroIntervention*, **2016**, 12, Y93-6	3.1	27
140	Transcatheter Mitral Valve Replacement After Surgical Repair or Replacement: Comprehensive Midterm Evaluation of Valve-in-Valve and Valve-in-Ring Implantation From the VIVID Registry. *Circulation*, **2021**, 143, 104-116	16.7	27
139	Bivalirudin versus unfractionated heparin during percutaneous coronary intervention in patients with non-ST-segment elevation acute coronary syndrome initially treated with fondaparinux: results from an international, multicenter, randomized pilot study (SWITCH III). *Journal of Interventional Cardiology*, **2013**, 26, 107-13	1.8	26
138	Overexpansion of the SAPIEN 3 Transcatheter Heart Valve: An Ex Vivo Bench Study. *JACC: Cardiovascular Interventions*, **2018**, 11, 1696-1705	5	26
137	Percutaneous aortic valve implantation using novel imaging guidance. *Catheterization and Cardiovascular Interventions*, **2010**, 76, 450-4	2.7	25
136	Outcomes Following Transcatheter Aortic Valve Replacement for Degenerative Stentless Versus Stented Bioprostheses. *JACC: Cardiovascular Interventions*, **2019**, 12, 1256-1263	5	24

135	Two-year follow-up of outcomes of second-generation everolimus-eluting stents versus first-generation drug-eluting stents for stenosis of saphenous vein grafts used as aortocoronary conduits. *American Journal of Cardiology*, **2013**, 112, 61-7	3	24
134	CT-Defined Prosthesis-Patient Mismatch Downgrades Frequency and Severity, and Demonstrates No Association With Adverse Outcomes After Transcatheter Aortic Valve Replacement. *JACC: Cardiovascular Interventions*, **2017**, 10, 1578-1587	5	24
133	Safety and efficacy outcomes of overlapping second-generation everolimus-eluting stents versus first-generation drug-eluting stents. *American Journal of Cardiology*, **2013**, 112, 1093-8	3	24
132	Blood Stasis on Transcatheter Valve Leaflets and Implications for Valve-in-Valve Leaflet Thrombosis. *Annals of Thoracic Surgery*, **2017**, 104, 751-759	2.7	23
131	Transcatheter Valve Implantation in Failed Surgically Inserted Bioprosthesis: Review and Practical Guide to Echocardiographic Imaging in Valve-in-Valve Procedures. *JACC: Cardiovascular Imaging*, **2015**, 8, 960-79	8.4	23
130	Bifurcation lesions in the coronary arteries: early experience with a novel 3-dimensional imaging and quantitative analysis before and after stenting. *EuroIntervention*, **2007**, 3, 95-9	3.1	23
129	Impact of previous coronary artery bypass grafting on patients undergoing transcatheter aortic valve implantation for aortic stenosis. *American Journal of Cardiology*, **2014**, 113, 1222-7	3	22
128	Clinical Outcomes and Imaging Findings in Women Undergoing TAVR. *JACC: Cardiovascular Imaging*, **2016**, 9, 483-93	8.4	21
127	Matched Comparison of Self-Expanding Transcatheter Heart Valves for the Treatment of Failed Aortic Surgical Bioprosthesis: Insights From the Valve-in-Valve International Data Registry (VIVID). *Circulation: Cardiovascular Interventions*, **2017**, 10,	6	20
126	The development of transcatheter aortic valve replacement in the USA. *Archives of Cardiovascular Diseases*, **2012**, 105, 160-4	2.7	20
125	Outcomes of patients with severe aortic stenosis at high surgical risk evaluated in a trial of transcatheter aortic valve implantation. *American Journal of Cardiology*, **2012**, 110, 1008-14	3	20
124	Safety and efficacy of the XIENCE V everolimus-eluting stent compared to first-generation drug-eluting stents in contemporary clinical practice. *American Journal of Cardiology*, **2012**, 109, 1288-94	3	20
123	Pulse pressure is a predictor of vascular endothelial function in middle-aged subjects with no apparent heart disease. *Vascular Medicine*, **2010**, 15, 299-305	3.3	20
122	Transcatheter valve-in-valve implantation for degenerated bioprosthetic aortic and mitral valves. *Expert Review of Medical Devices*, **2016**, 13, 749-58	3.5	20
121	Two-year outcomes for patients with severe symptomatic aortic stenosis treated with transcatheter aortic valve implantation. *American Journal of Cardiology*, **2013**, 111, 1330-6	3	19
120	Aortic valve and left ventricular outflow tract calcium volume and distribution in transcatheter aortic valve replacement: Influence on the risk of significant paravalvular regurgitation. *Journal of Cardiovascular Computed Tomography*, **2018**, 12, 290-297	2.8	18
119	Role of Echocardiography in Transcatheter Mitral Valve Replacement in Native Mitral Valves and Mitral Rings. *Journal of the American Society of Echocardiography*, **2018**, 31, 475-490	5.8	18
118	Transcatheter aortic valve replacement with the Portico valve: one-year results of the early Canadian experience. *EuroIntervention*, **2017**, 12, 1653-1659	3.1	18

117	First-in-Human Endo-Bentall Procedure for Simultaneous Treatment of the Ascending Aorta and Aortic Valve. *JACC: Case Reports*, **2020**, 2, 480-485	1.2	17
116	Valve-in-Valve Transcatheter Aortic Valve Replacement and Bioprosthetic Valve Fracture Comparing Different Transcatheter Heart Valve Designs: An Ex Vivo Bench Study. *JACC: Cardiovascular Interventions*, **2019**, 12, 65-75	5	16
115	Usefulness of Transcatheter Aortic Valve Implantation for Treatment of Pure Native Aortic Valve Regurgitation. *American Journal of Cardiology*, **2018**, 122, 1028-1035	3	16
114	Stent and leaflet stresses in a 26-mm first-generation balloon-expandable transcatheter aortic valve. *Journal of Thoracic and Cardiovascular Surgery*, **2017**, 153, 1065-1073	1.5	15
113	A Strategy of Underexpansion and Ad Hoc Post-Dilation of Balloon-Expandable Transcatheter Aortic Valves in Patients at Risk of Annular Injury: Favorable Mid-Term Outcomes. *JACC: Cardiovascular Interventions*, **2015**, 8, 1727-32	5	15
112	Paravalvular regurgitation after transcatheter aortic valve replacement: diagnosis, clinical outcome, preventive and therapeutic strategies. *Cardiovascular Revascularization Medicine*, **2013**, 14, 174-81	1.6	15
111	Valve thrombosis following transcatheter aortic valve replacement: significance of blood stasis on the leaflets. *European Journal of Cardio-thoracic Surgery*, **2017**, 51, 927-935	3	14
110	Transcatheter Aortic and Mitral Valve-in-Valve Implantation Using the Edwards Sapien 3 Heart Valve. *Journal of the American Heart Association*, **2018**, 7,	6	14
109	Impact of implant depth on hydrodynamic function with the ACURATE neo transcatheter heart valve following valve-in-valve transcatheter aortic valve replacement in Mitroflow bioprosthetic valves: an ex vivo bench study. *EuroIntervention*, **2019**, 15, 78-87	3.1	14
108	Stent and leaflet stresses in 26-mm, third-generation, balloon-expandable transcatheter aortic valve. *Journal of Thoracic and Cardiovascular Surgery*, **2019**, 157, 528-536	1.5	13
107	Regional Systems of Care to Optimize Outcomes in Patients Undergoing Transcatheter Aortic Valve Replacement. *JACC: Cardiovascular Interventions*, **2015**, 8, 1944-1951	5	13
106	Transcatheter aortic valve-in-valve implantation in degenerative rapid deployment bioprostheses. *EuroIntervention*, **2019**, 15, 37-43	3.1	13
105	Valve-in-Valve Challenges: How to Avoid Coronary Obstruction. *Frontiers in Cardiovascular Medicine*, **2019**, 6, 120	5.4	12
104	3D Printing Applications for Transcatheter Aortic Valve Replacement. *Current Cardiology Reports*, **2020**, 22, 23	4.2	12
103	Incomplete expansion of transcatheter aortic valves is associated with propensity for valve thrombosis. *Interactive Cardiovascular and Thoracic Surgery*, **2020**, 30, 39-46	1.8	12
102	Treatment of Tricuspid Regurgitation With the FORMA Repair System. *Frontiers in Cardiovascular Medicine*, **2018**, 5, 140	5.4	12
101	Transapical transcatheter mitral valve-in-valve implantation versus minimally invasive surgery for failed mitral bioprostheses. *Interactive Cardiovascular and Thoracic Surgery*, **2017**, 25, 57-61	1.8	11
100	Comparison of long-term outcomes between everolimus-eluting and sirolimus-eluting stents in small vessels. *American Journal of Cardiology*, **2013**, 111, 973-8	3	11

99	Degrees of severe stenoses in sigma-shaped versus C-shaped right coronary arteries. *American Journal of Cardiology*, **2003**, 92, 294-8	3	11
98	Outcomes of Emergency Transcatheter Aortic Valve Replacement. *Journal of Interventional Cardiology*, **2019**, 2019, 7598581	1.8	11
97	Fluid Dynamic Characterization of Transcatheter Aortic Valves Using Particle Image Velocimetry. *Artificial Organs*, **2018**, 42, E357-E368	2.6	11
96	The prognostic importance of the diastolic pulmonary gradient, transpulmonary gradient, and pulmonary vascular resistance in patients undergoing transcatheter aortic valve replacement. *Catheterization and Cardiovascular Interventions*, **2017**, 90, 1185-1191	2.7	10
95	Transcatheter aortic valve-in-valve implantation in failed stentless bioprostheses. *Journal of Interventional Cardiology*, **2018**, 31, 861-869	1.8	10
94	Percutaneous coronary intervention for chronic total occlusion: novel 3-dimensional imaging and quantitative analysis. *Catheterization and Cardiovascular Interventions*, **2008**, 71, 784-9	2.7	10
93	Complications of Bioprosthetic Valve Fracture as an Adjunct to Valve-in-Valve TAVR. *Structural Heart*, **2019**, 3, 92-99	0.6	9
92	Effect of stent crimping on calcification of transcatheter aortic valves. *Interactive Cardiovascular and Thoracic Surgery*, **2019**, 29, 64-73	1.8	9
91	In vivo evaluation of axial integrity of coronary stents using intravascular ultrasound: Insights on longitudinal stent deformation. *Catheterization and Cardiovascular Interventions*, **2014**, 84, 397-405	2.7	9
90	Prognostic implications of percutaneous coronary interventions performed according to the appropriate use criteria for coronary revascularization. *Cardiovascular Revascularization Medicine*, **2013**, 14, 316-20	1.6	9
89	Clinical profile and outcome of patients with severe aortic stenosis at high surgical risk: single-center prospective evaluation according to treatment assignment. *Catheterization and Cardiovascular Interventions*, **2013**, 81, 871-81	2.7	9
88	The association between right coronary artery morphology and endothelial function. *International Journal of Cardiology*, **2007**, 115, 19-23	3.2	9
87	Reducing the risk of leaflet thrombosis in transcatheter aortic valve-in-valve implantation by BASILICA: a computational simulation study. *EuroIntervention*, **2019**, 15, 67-70	3.1	9
86	Management and Outcomes of Transvenous Pacing Leads in Patients Undergoing Transcatheter Tricuspid Valve Replacement. *JACC: Cardiovascular Interventions*, **2020**, 13, 2012-2020	5	9
85	A Non-Invasive Material Characterization Framework for Bioprosthetic Heart Valves. *Annals of Biomedical Engineering*, **2019**, 47, 97-112	4.7	9
84	Transcatheter aortic and mitral valve implantations for failed bioprosthetic heart valves. *Journal of Invasive Cardiology*, **2011**, 23, 377-81	0.7	9
83	Stent and Leaflet Stresses in 29-mm Second-Generation Balloon-Expandable Transcatheter Aortic Valve. *Annals of Thoracic Surgery*, **2017**, 104, 773-781	2.7	8
82	Transcatheter Aortic Valve Replacement Outcomes in Patients With Native vs Transplanted Kidneys: Data From an International Multicenter Registry. *Canadian Journal of Cardiology*, **2019**, 35, 1114-1123	3.8	8

81	Coronary ostial eccentricity in severe aortic stenosis: Guidance for BASILICA transcatheter leaflet laceration. *Journal of Cardiovascular Computed Tomography*, **2020**, 14, 516-519	2.8	8
80	Relation of amounts of narrowing to the length of the right coronary artery. *American Journal of Cardiology*, **2002**, 90, 46-8	3	8
79	Contemporary Transcatheter Mitral Valve Replacement for Mitral Annular Calcification or Ring. *JACC: Cardiovascular Interventions*, **2020**, 13, 2388-2398	5	8
78	The serotonin syndrome: initial misdiagnosis. *Israel Medical Association Journal*, **2009**, 11, 367-70	0.9	8
77	Drug eluting stenting in bifurcation coronary lesions long-term results applying a systematic treatment strategy. *Catheterization and Cardiovascular Interventions*, **2012**, 79, 615-22	2.7	7
76	Percutaneous interventions in unprotected left main lesions: novel three-dimensional imaging and quantitative analysis before and after intervention. *Cardiovascular Revascularization Medicine*, **2010**, 11, 236-40	1.6	7
75	Transcatheter aortic valve replacement in failed surgical valves. *Heart*, **2019**, 105, s38-s43	5.1	7
74	Meta-analysis Comparing Outcomes of Self-Expanding Versus Balloon-Expandable Valves for Transcatheter Aortic Valve Implantation. *American Journal of Cardiology*, **2020**, 128, 202-209	3	6
73	Mitral implant of the Inovare transcatheter heart valve in failed surgical bioprostheses: a novel alternative for valve-in-valve procedures. *Interactive Cardiovascular and Thoracic Surgery*, **2017**, 24, 514-520	1.8	6
72	Left-ventricular outflow tract ventricular-tachycardia event following CoreValve transcatheter aortic-valve implantation. *Catheterization and Cardiovascular Interventions*, **2012**, 79, 331-3	2.7	6
71	Clinical outcomes after treating acute coronary syndrome patients with a drug-eluting stent: results from REWARDS-EMI (Endeavor for Myocardial Infarction Registry). *Cardiovascular Revascularization Medicine*, **2013**, 14, 128-33	1.6	6
70	Transcatheter aortic valve implantation of a CoreValve device using novel real-time imaging guidance. *Cardiovascular Revascularization Medicine*, **2013**, 14, 49-52	1.6	6
69	The impact of intracoronary thrombus aspiration on STEMI outcomes. *Cardiovascular Revascularization Medicine*, **2012**, 13, 167-71	1.6	6
68	Residual challenges in TAVI: moving forward. *EuroIntervention*, **2019**, 15, 857-866	3.1	6
67	High resolution three-dimensional strain mapping of bioprosthetic heart valves using digital image correlation. *Journal of Biomechanics*, **2018**, 76, 27-34	2.9	6
66	Current Generation Balloon-Expandable Transcatheter Valve Positioning Strategies During Aortic Valve-in-Valve Procedures and Clinical Outcomes. *JACC: Cardiovascular Interventions*, **2019**, 12, 1606-1617	5	5
65	Incidence, predictors and outcomes of valve-in-valve TAVI: A systematic review and meta-analysis. *International Journal of Cardiology*, **2020**, 316, 64-69	3.2	5
64	BASILICA for a Degenerated Self-Expanding Transcatheter Heart Valve: Structural Considerations for Supra-Annular Prosthetic Leaflets. *JACC: Cardiovascular Interventions*, **2020**, 13, 778-781	5	5

63	Stent and leaflet stresses across generations of balloon-expandable transcatheter aortic valves. *Interactive Cardiovascular and Thoracic Surgery*, **2020**, 30, 879-886	1.8	5
62	Mortality prediction after transcatheter treatment of failed bioprosthetic aortic valves utilizing various international scoring systems: Insights from the Valve-in-Valve International Data (VIVID). *Catheterization and Cardiovascular Interventions*, **2018**, 92, 1163-1170	2.7	5
61	Bedside risk score for prediction of acute kidney injury after transcatheter aortic valve replacement. *Open Heart*, **2018**, 5, e000777	3	5
60	Transcatheter valve implantation for right atrium-to-right ventricle conduit obstruction or regurgitation after modified Bj□k-fontan procedure. *Catheterization and Cardiovascular Interventions*, **2017**, 89, 298-305	2.7	5
59	Overview of the 2011 food and drug administrationS circulatory system devices panel of the medical devices advisory committee meeting on the Zilver□ PTX□ drug-eluting peripheral stent. *Cardiovascular Revascularization Medicine*, **2012**, 13, 281-5	1.6	5
58	Real-time 3D imaging in the cardiac catheterization laboratory. *Future Cardiology*, **2010**, 6, 463-71	1.3	5
57	BASILICA Trial: One-Year Outcomes of Transcatheter Electrosurgical Leaflet Laceration to Prevent TAVR Coronary Obstruction. *Circulation: Cardiovascular Interventions*, **2021**, 14, e010238	6	5
56	Conservative, surgical, and percutaneous treatment for mitral regurgitation shortly after acute myocardial infarction. *European Heart Journal*, **2021**,	9.5	5
55	Hyponatremic brain edema: correlation with serial computed tomography scans. *Israel Medical Association Journal*, **2009**, 11, 442-3	0.9	5
54	Distal left anterior descending coronary artery obstruction: a rare complication of transapical aortic valve implantation. *Journal of Invasive Cardiology*, **2011**, 23, E281-3	0.7	5
53	Self-expanding Portico Valve Versus Balloon-expandable SAPIEN XT Valve in Patients With Small Aortic Annuli: Comparison of Hemodynamic Performance. *Revista Espanola De Cardiologia (English Ed)*, **2016**, 69, 501-8	0.7	4
52	Feasibility of tricuspid valve-in-valve replacement in a patient with transvalvular pacemaker. *HeartRhythm Case Reports*, **2016**, 2, 2-5	1	4
51	Imaging of Aortic Valve Cusps Using Commissural Alignment: Guidance for Transcatheter Leaflet Laceration With BASILICA. *JACC: Cardiovascular Imaging*, **2019**, 12, 2262-2265	8.4	4
50	Second-generation everolimus-eluting stents compared to first-generation drug-eluting stents in patients treated for multivessel disease. *Journal of Interventional Cardiology*, **2013**, 26, 561-9	1.8	4
49	Graft-free surgical retroperitoneal vascular access as bail-out technique for failed percutaneous approach to transcatheter aortic valve replacement. *Cardiovascular Revascularization Medicine*, **2013**, 14, 23-6	1.6	4
48	Optimising the Haemodynamics of Aortic Valve-in-valve Procedures. *Interventional Cardiology Review*, **2017**, 12, 40-43	4.2	4
47	Transfemoral tricuspid valve-in-valve implantation: snare it to make it simpler!. *EuroIntervention*, **2016**, 12, 402	3.1	4
46	Aortic Valve-in-Valve in Externally Mounted Bioprosthesis: A Safe Treatment Option for Bioprosthetic Structural Valve Dysfunction. *Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery*, **2018**, 13, 171-176	1.5	4

45	Correlates for mortality in patients presented with acute myocardial infarct complicated by cardiogenic shock. *Cardiovascular Revascularization Medicine*, **2014**, 15, 13-7	1.6	3
44	Transapical mitral valve implantation after unclipping of a MitraClip: a glimpse into the future and treatment considerations in mitral regurgitation. *EuroIntervention*, **2016**, 12, e244-9	3.1	3
43	Echocardiographic Guidance of Intentional Leaflet Laceration prior to Transcatheter Aortic Valve Replacement: A Structured Approach to the Bioprosthetic or Native Aortic Scallop Intentional Laceration to Prevent Iatrogenic Coronary Artery Obstruction Procedure. *Journal of the American Society of Echocardiography*, **2021**, 34, 676-689	5.8	3
42	CRT-800.02 Severe Predicted Patient-prosthesis Mismatch As A Predictor Of Long Term Mortality After Aortic Valve-in-valve: Insights From The Valve-in-valve International Data Registry (vivid). *JACC: Cardiovascular Interventions*, **2017**, 10, S61-S62	5	2
41	TCT-104 Clinical Outcomes of Transcatheter Aortic Valve Replacement for Bicuspid Aortic Valve Stenosis. *Journal of the American College of Cardiology*, **2015**, 66, B48	15.1	2
40	TCT-714 Transcatheter mitral valve replacement with balloon expandable valves in native mitral valve disease due to severe mitral annular calcification: Results from the first global registry. *Journal of the American College of Cardiology*, **2015**, 66, B291-B292	15.1	2
39	Bioprosthetic Valve Remodeling of Trifecta Surgical Valves to Facilitate Valve-in-Valve TAVR. *Structural Heart*, **2020**, 4, 99-104	0.6	2
38	Transcatheter Aortic Valve Replacement for Failed Surgical Bioprostheses: Insights from the PARTNER II Valve-in-Valve Registry on Utilizing Baseline Computed-Tomographic Assessment. *Structural Heart*, **2017**, 1, 34-39	0.6	2
37	Adenosine-induced temporary block to improve accuracy of ostial coronary stent implantation: adenosine to improve stent implantation accuracy. *Catheterization and Cardiovascular Interventions*, **2014**, 83, E61-3	2.7	2
36	Response to Letters Regarding Article, "Infective Endocarditis After Transcatheter Aortic Valve Implantation: Results From a Large Multicenter Registry". *Circulation*, **2015**, 132, e372-4	16.7	2
35	Expanding indications for transcatheter aortic valve replacement. *Expert Review of Cardiovascular Therapy*, **2014**, 12, 693-702	2.5	2
34	Safety and efficacy of everolimus-eluting stents versus sirolimus-eluting stents in women. *American Journal of Cardiology*, **2013**, 111, 21-5	3	2
33	Optimal revascularization strategies for percutaneous coronary intervention of distal anastomotic lesions after coronary artery bypass surgery. *Journal of Interventional Cardiology*, **2013**, 26, 366-71	1.8	2
32	Conventional and novel drug therapeutics to relief myocardial ischemia. *Cardiovascular Drugs and Therapy*, **2010**, 24, 319-23	3.9	2
31	Impact of Transcatheter Aortic Valve Size on Leaflet Stresses: Implications for Durability and Optimal Grey Zone Sizing. *AsiaIntervention*, **2020**, 6, 64-71	0.1	2
30	Direct visualisation of the BASILICA technique post TAVR to enhance coronary flow. *EuroIntervention*, **2020**, 16, 680-681	3.1	2
29	Transcatheter aortic valve implantation in degenerated surgical aortic valves. *EuroIntervention*, **2021**, 17, 709-719	3.1	2
28	Predictors of Left Ventricular Outflow Tract Obstruction After Transcatheter Mitral Valve Replacement in Severe Mitral Annular Calcification: An Analysis of the Transcatheter Mitral Valve Replacement in Mitral Annular Calcification Global Registry. *Circulation: Cardiovascular Interventions*, **2021**, 14, e010854	6	2

27	Safety and Feasibility of MitraClip Implantation in Patients with Acute Mitral Regurgitation after Recent Myocardial Infarction and Severe Left Ventricle Dysfunction. *Journal of Clinical Medicine*, **2021**, 10,	5.1	2
26	Aortic Valve-in-Valve in Externally Mounted Bioprosthesis. *Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery*, **2018**, 13, 171-176	1.5	2
25	Echocardiographic Evaluation of Patients Undergoing Transcatheter Tricuspid Valve-In-Valve Replacement. *Journal of the American Society of Echocardiography*, **2019**, 32, 616-623	5.8	1
24	Technical Considerations and Pitfalls of BASILICA: Bioprosthetic or Native Aortic Scallop Intentional Laceration to Prevent Iatrogenic Coronary Artery Obstruction. *Structural Heart*, **2020**, 4, 169-178	0.6	1
23	Chronic total occlusion recanalization: a call for a randomized trial. *JACC: Cardiovascular Interventions*, **2012**, 5, 116-7; author reply 117-8	5	1
22	Necrotic core and thin cap fibrous atheroma distribution in native coronary artery lesion-containing segments: a virtual histology intravascular ultrasound study. *Coronary Artery Disease*, **2011**, 22, 339-44	1.4	1
21	Asymptomatic severe aortic stenosis, bicuspid aortic valves and moderate aortic stenosis in heart failure: New indications for transcatheter aortic valve implantation. *Trends in Cardiovascular Medicine*, **2021**, 31, 435-445	6.9	1
20	MitraClip After Failed Surgical Mitral Valve Repair-An International Multicenter Study. *Journal of the American Heart Association*, **2021**, e019236	6	1
19	Severe Valvular Heart Disease and COVID-19: Results from the Multicenter International Valve Disease Registry.. *Structural Heart*, **2021**, 5, 424-426	0.6	1
18	Percutaneous mechanical circulatory support from the collaborative multicenter Mechanical Unusual Support in TAVI (MUST) Registry. *Catheterization and Cardiovascular Interventions*, **2021**, 98, E862-E869	2.7	1
17	Permanent Pacemaker Implantation Following Valve-in-Valve Transcatheter Aortic Valve Replacement: VIVID Registry. *Journal of the American College of Cardiology*, **2021**, 77, 2263-2273	15.1	1
16	Distribution of C-arm projections in native and bioprosthetic aortic valves cusps: Implication for BASILICA procedures. *Catheterization and Cardiovascular Interventions*, **2021**, 97, E580-E587	2.7	1
15	Profiling Hospital Performance Based on Mortality After Transcatheter Aortic Valve Replacement in Ontario, Canada. *Circulation: Cardiovascular Quality and Outcomes*, **2018**, 11, e004947	5.8	1
14	Percutaneous aortic valve implantation: early clinical experience and future perspectives. *Israel Medical Association Journal*, **2009**, 11, 244-9	0.9	1
13	Percutaneous aortic valve implantation in patients with coronary artery disease: review of therapeutic strategies. *Journal of Invasive Cardiology*, **2009**, 21, E237-41	0.7	1
12	Evaluation of failed prosthetic valves in the valve-in-valve era: Potential for utilizing positron emission tomography/computed tomography to recognize infective endocarditis. *Catheterization and Cardiovascular Interventions*, **2019**, 94, 863-869	2.7	0
11	A Novel Valvuloplasty Scoring Balloon Catheter for Aortic Stenosis. *Structural Heart*, **2017**, 1, 285-290	0.6	0
10	Distal anastomotic lesions after coronary artery bypass surgery: incidence, pathogenesis, and treatment approach. *Catheterization and Cardiovascular Interventions*, **2013**, 81, 1162-8	2.7	0

9	Predictors of Long-term Cardiovascular Versus Non-cardiovascular Mortality and Repeat Intervention in Patients Having Transcatheter Aortic Valve Implantation. *American Journal of Cardiology*, **2020**, 135, 105-112	3	0
8	Outcomes of Patients with Significant Obesity Undergoing TAVR or SAVR in the Randomized PARTNER 2A Trial. *Structural Heart*, **2018**, 2, 500-511	0.6	0
7	Relation between Modified Body Mass Index and Adverse Outcomes after Aortic Valve Implantation. *American Journal of Cardiology*, **2021**, 153, 94-100	3	0
6	Subcutaneous and mediastinal emphysema complicating bronchiolitis obliterans following allogeneic hematopoietic stem cell transplantation. *Israel Medical Association Journal*, **2007**, 9, 618-9	0.9	0
5	First-in-Human Evaluation of the Safety and Efficacy of a Novel Stent Positioning Assistance System for Precise Positioning of Coronary Stents.. *Journal of Interventional Cardiology*, **2022**, 2022, 1683309	1.8	0
4	5-Year Follow-Up From the PARTNER 2 Aortic Valve-in-Valve Registry for Degenerated Aortic Surgical Bioprostheses.. *JACC: Cardiovascular Interventions*, **2022**, 15, 698-708	5	0
3	Overview of the 2012 Food and Drug Administration Circulatory System Devices Panel of the Medical Devices Advisory Committee meeting on the Edwards SAPIEN transcatheter heart valve for high-risk aortic stenosis patients. *American Heart Journal*, **2013**, 165, 710-5	4.9	
2	Acute closure after stenting: not always a thrombus. *Catheterization and Cardiovascular Interventions*, **2013**, 82, 765-7	2.7	
1	BASILICA technique for prevention of coronary artery occlusion in high risk native transcatheter aortic valve replacement.. *Canadian Journal of Cardiology*, **2022**,	3.8	