

Nicolo Piazza

List of Publications by Year in descending order

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102
papers

15,022
citations

53794

45
h-index

37204

96
g-index

103
all docs

103
docs citations

103
times ranked

8910
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcatheter Aortic-Valve Replacement with a Self-Expanding Valve in Low-Risk Patients. <i>New England Journal of Medicine</i> , 2019, 380, 1706-1715.	27.0	2,530
2	Surgical or Transcatheter Aortic-Valve Replacement in Intermediate-Risk Patients. <i>New England Journal of Medicine</i> , 2017, 376, 1321-1331.	27.0	2,249
3	Updated Standardized Endpoint Definitions for Transcatheter Aortic Valve Implantation. <i>Journal of the American College of Cardiology</i> , 2012, 60, 1438-1454.	2.8	1,560
4	Transcatheter Aortic Valve Implantation in Failed Bioprosthetic Surgical Valves. <i>JAMA - Journal of the American Medical Association</i> , 2014, 312, 162.	7.4	762
5	Standardized Endpoint Definitions for Transcatheter Aortic Valve Implantation Clinical Trials. <i>Journal of the American College of Cardiology</i> , 2011, 57, 253-269.	2.8	735
6	Standardized endpoint definitions for transcatheter aortic valve implantation clinical trials: a consensus report from the Valve Academic Research Consortium. <i>European Heart Journal</i> , 2011, 32, 205-217.	2.2	719
7	Frailty in Older Adults Undergoing Aortic Valve Replacement. <i>Journal of the American College of Cardiology</i> , 2017, 70, 689-700.	2.8	561
8	Anatomy of the Aortic Valvar Complex and Its Implications for Transcatheter Implantation of the Aortic Valve. <i>Circulation: Cardiovascular Interventions</i> , 2008, 1, 74-81.	3.9	525
9	Valve Academic Research Consortium 3: updated endpoint definitions for aortic valve clinical research. <i>European Heart Journal</i> , 2021, 42, 1825-1857.	2.2	342
10	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, 3382-3390.	2.2	335
11	Early and Persistent Intraventricular Conduction Abnormalities and Requirements for Pacemaking After Percutaneous Replacement of the Aortic Valve. <i>JACC: Cardiovascular Interventions</i> , 2008, 1, 310-316.	2.9	323
12	1-Year Outcomes of Transcatheter Mitral Valve Replacement in Patients With Severe Mitral Annular Calcification. <i>Journal of the American College of Cardiology</i> , 2018, 71, 1841-1853.	2.8	288
13	Transcatheter Aortic Valve Replacement in Bicuspid Aortic Valve Disease. <i>Journal of the American College of Cardiology</i> , 2014, 64, 2330-2339.	2.8	280
14	Transcatheter Mitral Valve Replacement in Native Mitral Valve Disease With Severe Mitral Annular Calcification. <i>JACC: Cardiovascular Interventions</i> , 2016, 9, 1361-1371.	2.9	257
15	Transcatheter heart valve failure: a systematic review. <i>European Heart Journal</i> , 2015, 36, 1306-1327.	2.2	183
16	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, 52, 408-417.	1.4	160
17	Multimodality Imaging in the Context of Transcatheter Mitral Valve Replacement. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 1191-1208.	5.3	158
18	Relationship between the logistic EuroSCORE and the Society of Thoracic Surgeons Predicted Risk of Mortality score in patients implanted with the CoreValve ReValving System – A Bern-Rotterdam Study. <i>American Heart Journal</i> , 2010, 159, 323-329.	2.7	149

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19	Percutaneous Transcatheter Mitral Valve Replacement. <i>Circulation: Cardiovascular Interventions</i> , 2014, 7, 400-409.	3.9	142
20	Clinical trial design principles and endpoint definitions for transcatheter mitral valve repair and replacement: part 2: endpoint definitions. <i>European Heart Journal</i> , 2015, 36, 1878-1891.	2.2	133
21	Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2016, 9, 472-480.	2.9	124
22	Open issues in transcatheter aortic valve implantation. Part 2: procedural issues and outcomes after transcatheter aortic valve implantation. <i>European Heart Journal</i> , 2014, 35, 2639-2654.	2.2	105
23	Acute kidney injury after transcatheter aortic valve implantation: Incidence, predictors and impact on mortality. <i>Archives of Cardiovascular Diseases</i> , 2014, 107, 133-139.	1.6	104
24	Persistent conduction abnormalities and requirements for pacemaking six months after transcatheter aortic valve implantation. <i>EuroIntervention</i> , 2010, 6, 475-484.	3.2	104
25	Open issues in transcatheter aortic valve implantation. Part 1: patient selection and treatment strategy for transcatheter aortic valve implantation. <i>European Heart Journal</i> , 2014, 35, 2627-2638.	2.2	96
26	Advances in transcatheter mitral and tricuspid therapies. <i>BMC Cardiovascular Disorders</i> , 2020, 20, 1.	1.7	91
27	Chimney Stenting for Coronary Occlusion During TAVR. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 751-761.	2.9	90
28	Outcomes of Redo Transcatheter Aortic Valve Replacement for the Treatment of Postprocedural and Late Occurrence of Paravalvular Regurgitation and Transcatheter Valve Failure. <i>Circulation: Cardiovascular Interventions</i> , 2016, 9, .	3.9	83
29	Assessment of the aortic annulus by multislice computed tomography, contrast aortography, and transesophageal echocardiography in patients referred for transcatheter aortic valve implantation. <i>Catheterization and Cardiovascular Interventions</i> , 2011, 77, 868-875.	1.7	82
30	Malnutrition and Mortality in Frail and Non-Frail Older Adults Undergoing Aortic Valve Replacement. <i>Circulation</i> , 2018, 138, 2202-2211.	1.6	79
31	Implantation of two self-expanding aortic bioprosthetic valves during the same procedure" Insights into valve-in-valve implantation (the Russian doll concept). <i>Catheterization and Cardiovascular Interventions</i> , 2009, 73, 530-539.	1.7	77
32	Multimodality Imaging of the Tricuspid Valve and Right Heart Anatomy. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 516-531.	5.3	77
33	Psoas Muscle Area and All-Cause Mortality After Transcatheter Aortic Valve Replacement: The Montreal-Munich Study. <i>Canadian Journal of Cardiology</i> , 2016, 32, 177-182.	1.7	75
34	Mitral Annular Dimensions and Geometry in Patients With Functional Mitral Regurgitation and Mitral Valve Prolapse. <i>JACC: Cardiovascular Imaging</i> , 2016, 9, 269-280.	5.3	75
35	Oversizing in transcatheter aortic valve replacement, a commonly used term but a poorly understood one: Dependency on definition and geometrical measurements. <i>Journal of Cardiovascular Computed Tomography</i> , 2014, 8, 67-76.	1.3	69
36	First-in-human experience with the Medtronic CoreValve Evolut R. <i>EuroIntervention</i> , 2014, 9, 1260-1263.	3.2	68

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37	Percutaneous Pulmonary Valve Implantation. <i>Journal of the American College of Cardiology</i> , 2015, 66, 2246-2255.	2.8	65
38	Neo-LVOT and Transcatheter Mitral Valve Replacement. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 854-866.	5.3	60
39	Erroneous Measurement of the Aortic Annular Diameter Using 2-Dimensional Echocardiography Resulting in Inappropriate CoreValve Size Selection. <i>JACC: Cardiovascular Interventions</i> , 2014, 7, 652-661.	2.9	55
40	A comparison of patient characteristics and 30-day mortality outcomes after transcatheter aortic valve implantation and surgical aortic valve replacement for the treatment of aortic stenosis: a two-centre study. <i>EuroIntervention</i> , 2009, 5, 580-588.	3.2	54
41	Fluoroscopic Anatomy of Left-Sided Heart Structures for Transcatheter Interventions. <i>JACC: Cardiovascular Interventions</i> , 2014, 7, 947-957.	2.9	52
42	Novel Multiphase Assessment for Predicting Left Ventricular Outflow Tract Obstruction Before Transcatheter Mitral Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 2402-2412.	2.9	49
43	Three-dimensional echocardiography vs. computed tomography for transcatheter aortic valve replacement sizing. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, jev238.	1.2	47
44	Redo aortic valve surgery versus transcatheter valve-in-valve implantation for failing surgical bioprosthetic valves: consecutive patients in a single-center setting. <i>Journal of Thoracic Disease</i> , 2015, 7, 1494-500.	1.4	47
45	Prediction of fluoroscopic angulation and coronary sinus location by CT in the context of transcatheter mitral valve implantation. <i>Journal of Cardiovascular Computed Tomography</i> , 2015, 9, 183-192.	1.3	46
46	Patient selection for transcatheter aortic valve implantation: Patient risk profile and anatomical selection criteria. <i>Archives of Cardiovascular Diseases</i> , 2012, 105, 165-173.	1.6	45
47	Mitral regurgitation in heart failure: time for a rethink. <i>European Heart Journal</i> , 2019, 40, 2189-2193.	2.2	38
48	Association of Depression With Mortality in Older Adults Undergoing Transcatheter or Surgical Aortic Valve Replacement. <i>JAMA Cardiology</i> , 2018, 3, 191.	6.1	36
49	Sex-Specific Determinants of Outcomes After Transcatheter Aortic Valve Replacement. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2019, 12, e005363.	2.2	36
50	Frailty and Bleeding in Older Adults Undergoing TAVR or SAVR. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 1058-1068.	2.9	36
51	Cost-utility of transcatheter aortic valve implantation for inoperable patients with severe aortic stenosis treated by medical management: a UK cost-utility analysis based on patient-level data from the ADVANCE study. <i>Open Heart</i> , 2014, 1, e000155.	2.3	33
52	Transcatheter Mitral and Pulmonary Valve Therapy. <i>Journal of the American College of Cardiology</i> , 2009, 53, 1837-1851.	2.8	32
53	Transcatheter Treatment of Residual Significant Mitral Regurgitation Following TAVR. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 2782-2791.	2.9	29
54	Optimal Fluoroscopic Projections of Coronary Ostia and Bifurcations Defined by Computed Tomographic Coronary Angiography. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 2560-2570.	2.9	28

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55	Understanding the Interaction Between Transcatheter Aortic Valve Prostheses and Supra-Annular Structures From Post-Implant Stent Geometry. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 1164-1171.	2.9	27
56	Two cases of aneurysm of the anterior mitral valve leaflet associated with transcatheter aortic valve endocarditis: A mere coincidence?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010, 140, e36-e38.	0.8	26
57	Prestenting for prevention of melody valve stent fractures: A systematic review and meta-analysis. <i>Catheterization and Cardiovascular Interventions</i> , 2016, 87, 534-539.	1.7	26
58	Optimal fluoroscopic viewing angles of left-sided heart structures in patients with aortic stenosis and mitral regurgitation based on multislice computed tomography. <i>Journal of Cardiovascular Computed Tomography</i> , 2016, 10, 162-172.	1.3	26
59	Fluoroscopic Anatomy of Right-Sided Heart Structures for Transcatheter Interventions. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 1614-1625.	2.9	25
60	Outcome Reporting in Cardiac Surgery Trials: Systematic Review and Critical Appraisal. <i>Journal of the American Heart Association</i> , 2015, 4, e002204.	3.7	23
61	Relation Between Clinical Best Practices and 6-Month Outcomes After Transcatheter Aortic Valve Implantation With CoreValve (from the ADVANCE II Study). <i>American Journal of Cardiology</i> , 2017, 119, 84-90.	1.6	20
62	Inequity in Access to Transcatheter Aortic Valve Replacement: A Pan-Canadian Evaluation of Wait-Times. <i>Canadian Journal of Cardiology</i> , 2020, 36, 844-851.	1.7	18
63	Interaction Between Frailty and Access Site in Older Adults Undergoing Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 2185-2192.	2.9	16
64	Prognostic Value of Handgrip Strength in Older Adults Undergoing Cardiac Surgery. <i>Canadian Journal of Cardiology</i> , 2021, 37, 1760-1766.	1.7	16
65	Coronary ostial eccentricity in severe aortic stenosis: Guidance for BASILICA transcatheter leaflet laceration. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 516-519.	1.3	14
66	Feasibility of complex coronary intervention in combination with percutaneous aortic valve implantation in patients with aortic stenosis using percutaneous left ventricular assist device (TandemHeart®). <i>Catheterization and Cardiovascular Interventions</i> , 2009, 73, 161-166.	1.7	13
67	Transcatheter Aortic Valve Replacement Failure. <i>Circulation: Cardiovascular Interventions</i> , 2015, 8, .	3.9	13
68	Considerations and Recommendations for the Introduction of Objective Performance Criteria for Transcatheter Aortic Heart Valve Device Approval. <i>Circulation</i> , 2016, 133, 2086-2093.	1.6	12
69	Transcatheter Aortic Valve Replacement Outcomes in Patients With Native vs Transplanted Kidneys: Data From an International Multicenter Registry. <i>Canadian Journal of Cardiology</i> , 2019, 35, 1114-1123.	1.7	12
70	VARC endpoint definition compliance rates in contemporary transcatheter aortic valve implantation studies. <i>EuroIntervention</i> , 2016, 12, 375-380.	3.2	12
71	Outcomes of Redo Transcatheter Aortic Valve Replacement According to the Initial and Subsequent Valve Type. <i>JACC: Cardiovascular Interventions</i> , 2022, 15, 1543-1554.	2.9	12
72	Medtronic transcatheter mitral valve replacement. <i>EuroIntervention</i> , 2014, 10, U112-U114.	3.2	11

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73	Fluoroscopic “heart chamber” anatomy “ the case for imaging modality-independent terminology. EuroIntervention, 2016, 12, Y9-Y15.	3.2	11
74	Transcatheter Aortic Valve Replacement and New Conduction Abnormalities/Permanent Pacemaker. JACC: Cardiovascular Interventions, 2016, 9, 255-258.	2.9	10
75	Recursive multiresolution convolutional neural networks for 3D aortic valve annulus planimetry. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 577-588.	2.8	10
76	Percutaneous Transcatheter Mitral Valve Replacement: Patient-specific Three-dimensional Computer-based Heart Model and Prototyping. Revista Espanola De Cardiologia (English Ed), 2015, 68, 1165-1173.	0.6	9
77	Adoption of Transcatheter Aortic Valve Implantation in Western Europe. Interventional Cardiology Review, 2011, 9, 37.	1.6	9
78	Membranous septum morphology and risk of conduction abnormalities after transcatheter aortic valve implantation. EuroIntervention, 2022, 17, 1061-1069.	3.2	9
79	Commissural or Coronary Alignment for TAVR?. JACC: Cardiovascular Interventions, 2022, 15, 147-149.	2.9	8
80	Structural Valve Deterioration 4 Years After Transcatheter Aortic Valve Replacement. Circulation, 2015, 131, 682-685.	1.6	7
81	Predictors of adverse outcomes after transcatheter mitral valve replacement. Expert Review of Cardiovascular Therapy, 2019, 17, 625-632.	1.5	7
82	The Medtronic transcatheter mitral valve implantation system. EuroIntervention, 2015, 14, W80-W81.	3.2	6
83	A Systematic Review and Meta-Analysis of Outcomes Following Mitral Valve Surgery in Patients with Significant Functional Mitral Regurgitation and Left Ventricular Dysfunction. Journal of Heart Valve Disease, 2016, 25, 696-707.	0.5	6
84	Imaging of Aortic Valve Cusps Using Commissural Alignment. JACC: Cardiovascular Imaging, 2019, 12, 2262-2265.	5.3	5
85	Failing Surgical Aortic Valve?. JACC: Cardiovascular Interventions, 2021, 14, 221-223.	2.9	5
86	Patient-Specific Computer Simulation in TAVR. JACC: Cardiovascular Interventions, 2020, 13, 1813-1815.	2.9	3
87	Restricted mean survival time of older adults with severe aortic stenosis referred for transcatheter aortic valve replacement. BMC Cardiovascular Disorders, 2020, 20, 299.	1.7	3
88	Impact of transcatheter aortic valve implantation on surgical aortic valve. International Journal of Cardiology, 2017, 243, 145-149.	1.7	2
89	Distribution of C-arm projections in native and bioprosthetic aortic valves cusps: Implication for BASILICA procedures. Catheterization and Cardiovascular Interventions, 2021, 97, E580-E587.	1.7	2
90	Diagnostic Work-Up of the Aortic Patient: An Integrated Approach toward the Best Therapeutic Option. Journal of Clinical Medicine, 2021, 10, 5120.	2.4	2

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91	Predicting TMVR outcomes – the Tendyne experience. EuroIntervention, 2019, 15, e1033-e1034.	3.2	2
92	Expanding the Role of Coronary Computed Tomography Angiography in Interventional Cardiology. Circulation, 2022, 145, 5-7.	1.6	2
93	Transcatheter Aortic Valves for Failing – Surgical Mitral Prostheses and – Mitral Annular Calcification. JACC: Cardiovascular Interventions, 2017, 10, 1943-1945.	2.9	1
94	A Case of TAVR Complicated by Severe Functional Mitral Regurgitation. Canadian Journal of Cardiology, 2020, 36, 1977.e13-1977.e15.	1.7	1
95	Measurements matters: the case for 3D MSCT software for aortic annulus quantification. EuroIntervention, 2014, 10, 294-295.	3.2	1
96	Transcatheter mitral valve interventions: Eldorado or Waterloo for interventional cardiologists?. EuroIntervention, 2016, 12, Y56-Y57.	3.2	1
97	Quantification of paravalvular regurgitation after transcatheter aortic valve implantation: improved accuracy means better standardization. European Heart Journal Cardiovascular Imaging, 2016, 17, 861-862.	1.2	0
98	Arrhythmias and Conduction Disturbances Following Transcatheter – Aortic Valve Replacement. JACC: Cardiovascular Interventions, 2018, 11, 1506-1508.	2.9	0
99	Transseptal implantation of the HighLife self-expandable mitral valve in a patient with severe secondary mitral regurgitation and heart failure. Kardiologia Polska, 2021, 79, 708-709.	0.6	0
100	The – hidden experiment – percutaneous vs. surgical cut-down for transfemoral transcatheter aortic valve implantation. EuroIntervention, 2017, 12, 1925-1926.	3.2	0
101	Eyes of the Heart Team – the interventional imaging specialist: a pathway for future generations. EuroIntervention, 2019, 15, 828-830.	3.2	0
102	The 20-year – imaging saga – for transcatheter aortic valve implantation: A viewpoint. Archives of Cardiovascular Diseases, 2022, 115, 225-230.	1.6	0