Tarun Chakravarty

List of Publications by Year
in descending order

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76 papers	4,831 citations	186265 28 h-index	95266 68 g-index
78 all docs	78 docs citations	78 times ranked	4237 citing authors

#	Article	IF	Citations
1	Possible Subclinical Leaflet Thrombosis in Bioprosthetic Aortic Valves. New England Journal of Medicine, 2015, 373, 2015-2024.	27.0	874
2	Subclinical leaflet thrombosis in surgical and transcatheter bioprosthetic aortic valves: an observational study. Lancet, The, 2017, 389, 2383-2392.	13.7	718
3	Protection Against Cerebral Embolism During Transcatheter Aortic Valve Replacement. Journal of the American College of Cardiology, 2017, 69, 367-377.	2.8	405
4	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.	2.8	288
5	Association Between Transcatheter Aortic Valve Replacement for Bicuspid vs Tricuspid Aortic Stenosis and Mortality or Stroke. JAMA - Journal of the American Medical Association, 2019, 321, 2193.	7.4	211
6	Natural history of subclinical leaflet thrombosis affecting motion in bioprosthetic aortic valves. European Heart Journal, 2017, 38, 2201-2207.	2.2	169
7	Subclinical Leaflet Thrombosis in Transcatheter and Surgical BioprostheticÂValves. Journal of the American College of Cardiology, 2020, 75, 3003-3015.	2.8	165
8	Bicuspid Aortic Valve Morphology andÂOutcomes After Transcatheter AorticÂValve Replacement. Journal of the American College of Cardiology, 2020, 76, 1018-1030.	2.8	143
9	Coronary Access After TAVR. JACC: Cardiovascular Interventions, 2020, 13, 693-705.	2.9	110
10	Meta-Analysis of the Impact of Mitral Regurgitation on Outcomes After Transcatheter Aortic Valve Implantation. American Journal of Cardiology, 2015, 115, 942-949.	1.6	96
11	Meta-Analysis of Incidence, Clinical Characteristics and Implications of Stent Fracture. American Journal of Cardiology, 2010, 106, 1075-1080.	1.6	95
12	Predictive Accuracy of SYNTAX Score for Predicting Long-Term Outcomes of Unprotected Left Main Coronary Artery Revascularization. American Journal of Cardiology, 2011, 107, 360-366.	1.6	89
13	Shortâ€term results of alcohol septal ablation as a bailâ€out strategy to treat severe left ventricular outflow tract obstruction after transcatheter mitral valve replacement in patients with severe mitral annular calcification. Catheterization and Cardiovascular Interventions, 2017, 90, 1220-1226.	1.7	85
14	Intracoronary ALLogeneic heart STem cells to Achieve myocardial Regeneration (ALLSTAR): a randomized, placebo-controlled, double-blinded trial. European Heart Journal, 2020, 41, 3451-3458.	2.2	78
15	Concomitant mitral annular calcification and severe aortic stenosis: prevalence, characteristics and outcome following transcatheter aortic valve replacement. European Heart Journal, 2017, 38, ehw594.	2.2	77
16	Self-expanding intra-annular versus commercially available transcatheter heart valves in high and extreme risk patients with severe aortic stenosis (PORTICO IDE): a randomised, controlled, non-inferiority trial. Lancet, The, 2020, 396, 669-683.	13.7	76
17	Long-Term Clinical Outcomes After Percutaneous Coronary Intervention for Ostial/Mid-Shaft Lesions Versus Distal Bifurcation Lesions in Unprotected LeftÂMain Coronary Artery. JACC: Cardiovascular Interventions, 2013, 6, 1242-1249.	2.9	75
18	Transcatheter Edge-to-Edge Mitral Valve Repair With the MitraClip G4 System. JACC: Cardiovascular Interventions, 2020, 13, 2402-2414.	2.9	61

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19	Risk of Coronary Obstruction Due to Sinus Sequestration in Redo Transcatheter Aortic Valve Replacement. JACC: Cardiovascular Interventions, 2020, 13, 2617-2627.	2.9	61
20	Coronary Protection to Prevent Coronary Obstruction During TAVR. JACC: Cardiovascular Interventions, 2020, 13, 739-747.	2.9	58
21	Association Between Transcatheter Aortic Valve Replacement for Bicuspid vs Tricuspid Aortic Stenosis and Mortality or Stroke Among Patients at Low Surgical Risk. JAMA - Journal of the American Medical Association, 2021, 326, 1034.	7.4	52
22	Long-Term Clinical Outcomes After Percutaneous Coronary Intervention Versus Coronary Artery Bypass Grafting for Ostial/Midshaft Lesions in Unprotected Left Main Coronary Artery From the DELTA Registry. JACC: Cardiovascular Interventions, 2014, 7, 354-361.	2.9	45
23	Comparison of SAPIEN 3 and SAPIEN XT transcatheter heart valve stent-frame expansion: evaluation using multi-slice computed tomography. European Heart Journal Cardiovascular Imaging, 2016, 17, 1054-1062.	1.2	44
24	Computed tomography characteristics of the aortic valve and the geometry of SAPIEN 3 transcatheter heart valve in patients with bicuspid aortic valve disease. European Heart Journal Cardiovascular Imaging, 2018, 19, 1408-1418.	1.2	44
25	Allogeneic cardiosphere-derived cells (CAP-1002) in critically ill COVID-19 patients: compassionate-use case series. Basic Research in Cardiology, 2020, 115, 36.	5.9	44
26	Anticoagulation After Surgical or Transcatheter Bioprosthetic AorticÂValveÂReplacement. Journal of the American College of Cardiology, 2019, 74, 1190-1200.	2.8	42
27	Antithrombotic Therapy and Cardiovascular Outcomes After Transcatheter Aortic Valve Replacement in Patients With Atrial Fibrillation. JACC: Cardiovascular Interventions, 2019, 12, 1580-1589.	2.9	41
28	Allogeneic cardiosphere-derived cells for the treatment of heart failure with reduced ejection fraction: the Dilated cardiomYopathy iNtervention with Allogeneic MyocardIally-regenerative Cells (DYNAMIC) trial. EuroIntervention, 2020, 16, e293-e300.	3.2	32
29	Preâ€emptive positioning of a coronary stent in the left anterior descending artery for left main protection: A prerequisite for transcatheter aortic valveâ€inâ€valve implantation for failing stentless bioprostheses?. Catheterization and Cardiovascular Interventions, 2013, 82, E630-6.	1.7	29
30	The outcomes of transcatheter aortic valve replacement in a cohort of patients with endâ€stage renal disease. Catheterization and Cardiovascular Interventions, 2016, 87, 1314-1321.	1.7	28
31	Safety Profile of an Intra-Annular Self-Expanding Transcatheter AorticÂValve and Next-Generation Low-Profile Delivery System. JACC: Cardiovascular Interventions, 2020, 13, 2467-2478.	2.9	27
32	Long-Term Outcomes of Percutaneous Coronary Interventions or Coronary Artery Bypass Grafting for Left Main Coronary Artery Disease in Octogenarians (from a Drug-Eluting stent for LefT main) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	1.6	26
33	Computing Methods for Composite ClinicalÂEndpoints in Unprotected Left Main Coronary Artery Revascularization. JACC: Cardiovascular Interventions, 2016, 9, 2280-2288.	2.9	26
34	Real-World Experience With the SAPIEN 3 Ultra Transcatheter Heart Valve: A Propensity-Matched Analysis From the United States. Circulation: Cardiovascular Interventions, 2021, 14, e010543.	3.9	26
35	Prognostic Value of Increased Mitral Valve Gradient After Transcatheter Edge-to-Edge Repair for Primary MitralÂRegurgitation. JACC: Cardiovascular Interventions, 2022, 15, 935-945.	2.9	25
36	Severe aortic stenosis with low aortic valve calcification: characteristics and outcome following transcatheter aortic valve implantation. European Heart Journal Cardiovascular Imaging, 2017, 18, 639-647.	1.2	24

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37	Timing and Outcomes of Percutaneous Coronary Intervention in Patients Who Underwent Transcatheter Aortic Valve Implantation. American Journal of Cardiology, 2020, 125, 1361-1368.	1.6	24
38	Clinical Impact of Diabetes Mellitus on Outcomes After Transcatheter Aortic Valve Replacement. Circulation: Cardiovascular Interventions, 2017, 10, .	3.9	22
39	Transcatheter Procedure for ResidualÂMitral Regurgitation After MitraClip Implantation Using AmplatzerÂDuct Occluder II. JACC: Cardiovascular Interventions, 2016, 9, 1280-1288.	2.9	21
40	Relation Between Left Ventricular Outflow Tract Calcium and Mortality Following Transcatheter Aortic Valve Implantation. American Journal of Cardiology, 2017, 120, 2017-2024.	1.6	21
41	Outcomes of Self-Expanding vs. Balloon-Expandable Transcatheter Heart Valves for the Treatment of Degenerated Aortic Surgical Bioprostheses㐀€â€• A Propensity Score-Matched Comparison â€•. Circulation Journal, 2018, 82, 2655-2662.	1.6	21
42	Prognostic Value of Computed Tomographyâ€“Derived Extracellular Volume in TAVR Patients With Low-Flow Low-Gradient Aortic Stenosis. JACC: Cardiovascular Imaging, 2020, 13, 2591-2601.	5.3	20
43	Computed tomography angiography-derived extracellular volume fraction predicts early recovery of left ventricular systolic function after transcatheter aortic valve replacement. European Heart Journal Cardiovascular Imaging, 2021, 22, 179-185.	1.2	20
44	Effect of ascending aortic dimension on acute procedural success following self-expanding transcatheter aortic valve replacement. International Journal of Cardiology, 2017, 244, 100-105.	1.7	16
45	Mitral Regurgitation in Low-Flow, Low-Gradient Aortic Stenosis PatientsÂUndergoing TAVR. JACC: Cardiovascular Interventions, 2020, 13, 567-579.	2.9	16
46	Effect of cardiosphere-derived cells on segmental myocardial function after myocardial infarction: ALLSTAR randomised clinical trial. Open Heart, 2021, 8, e001614.	2.3	15
47	Comparison of Percutaneous Coronary Intervention (With Drug-Eluting Stents) Versus Coronary Artery Bypass Grafting in Women With Severe Narrowing of the Left Main Coronary Artery (from the) Tj ETQq1 1 0.784314 rgBT /Ove Cardiology, 2014, 113, 1348-1355.	1.6	14
48	Transcatheter Aortic Valve Replacement With Different Valve Types in Elliptic Aortic Annuli. Circulation Journal, 2017, 81, 1036-1042.	1.6	13
49	Clinical Outcomes of Transcatheter Aortic Valve Implantation in Patients With Extremely Large Annulus and SAPIEN 3 Dimensions Based on Post-Procedural Computed Tomography. Circulation Journal, 2019, 83, 672-680.	1.6	13
50	Balloonâ€expandable transcatheter aortic valve replacement in patients with extreme aortic valve calcification. Catheterization and Cardiovascular Interventions, 2016, 87, 1173-1179.	1.7	12
51	Use of a Dual-Filter Cerebral Embolic Protection Device in Thoracic Endovascular Aortic Repair. Annals of Vascular Surgery, 2020, 65, 54.e1-54.e4.	0.9	11
52	Transcatheter Aortic Valve Implantation in Patients With Severe Aortic Stenosis Hospitalized With Acute Heart Failure. American Journal of Cardiology, 2021, 144, 100-110.	1.6	10
53	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.	3.9	10
54	Outcome of paravalvular leak repair after transcatheter aortic valve replacement with a balloonâ€expandable prosthesis. Catheterization and Cardiovascular Interventions, 2017, 89, 462-468.	1.7	7

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55	Geometric changes in ventriculoaortic complex after transcatheter aortic valve replacement and its association with post-procedural prosthesisâ€“patient mismatch: an intraprocedural 3D-TEE study. European Heart Journal Cardiovascular Imaging, 2017, 18, 1-10.	1.2	7
56	Impact of the Geriatric Nutritional Risk Index in Patients Undergoing Transcatheter Aortic Valve Implantation. American Journal of Cardiology, 2021, 157, 71-78.	1.6	7
57	Comparison of longâ€term outcomes of drugâ€eluting stents and bare metal stents for saphenous vein graft stenosis. Catheterization and Cardiovascular Interventions, 2012, 79, 903-909.	1.7	6
58	Percutaneous transapical pseudoaneurysm closure following transcatheter aortic valve replacement. Catheterization and Cardiovascular Interventions, 2018, 91, 159-164.	1.7	6
59	Optimal Medical Therapy Following Transcatheter Aortic Valve Implantation. American Journal of Cardiology, 2021, 141, 62-71.	1.6	6
60	Anticoagulation Therapy After Transcatheter Aortic Valve Replacement. Current Cardiology Reports, 2020, 22, 175.	2.9	5
61	Left-Sided Venous Access. JACC: Cardiovascular Interventions, 2021, 14, 581-582.	2.9	5
62	Usefulness of Computed Tomography to Predict Mitral Stenosis After Transcatheter Mitral Valve Edge-to-Edge Repair. American Journal of Cardiology, 2021, 153, 109-118.	1.6	4
63	Impact of Pulmonary Artery Dilatation on Clinical Outcomes in Patients Undergoing Transcatheter Aortic Valve Replacement. JACC: Cardiovascular Interventions, 2021, 14, 2560-2569.	2.9	3
64	Outcomes of Patients with Severe Aortic Stenosis and Left Ventricular Obstruction Undergoing Transcatheter Aortic Valve Implantation. American Journal of Cardiology, 2020, 133, 105-115.	1.6	2
65	Percutaneous Management of Aortic Root Rupture During Transcatheter Aortic Valve Replacement With Coil Embolization. Circulation: Cardiovascular Interventions, 2018, 11, e005590.	3.9	1
66	Recurrent severe aortic stenosis after transfemoral transcatheter valve-in-valve-in-valve replacement. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, e141-e144.	0.8	1
67	Patient-Prosthesis Mismatch After SAVR and TAVR. JACC: Cardiovascular Interventions, 2021, 14, 1478-1480.	2.9	1
68	Early Leaflet Thrombosis. JACC: Cardiovascular Interventions, 2018, 11, 1172-1174.	2.9	1
69	Transcatheter Aortic Valve Replacement for Bicuspid Aortic Insufficiency After Valve-Sparing Aortic Root Replacement. JACC: Case Reports, 2021, 3, 1798-1802.	0.6	1
70	Transcatheter tricuspid valve replacement along with tricuspid paravalvular leak closure in a patient with severe right heart failure and previous transcatheter pulmonary valve replacement. International Journal of Cardiology, 2016, 202, 198-199.	1.7	0
71	Late Contained Aortic Root Rupture After Transcatheter Aortic Valve Replacement for Bicuspid Aortic Stenosis. JACC: Cardiovascular Interventions, 2019, 12, e121-e122.	2.9	0
72	Balloon-expandable valve-in-valve for a deformed surgical bioprosthesis. European Heart Journal, 2020, 41, 932-932.	2.2	0

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73	The Impact of Valvuloarterial Impedance on Left Ventricular Geometrical Change after Transcatheter Aortic Valve Replacement: A Comparison between Valvuloarterial Impedance and Mean Pressure Gradient. Journal of Clinical Medicine, 2020, 9, 3143.	2.4	0
74	SAPIEN 3 to Ultra: One Step Closer to Perfection. Structural Heart, 2020, 4, 510-511.	0.6	0
75	Left-sided Femoral Venous Access for Tricuspid Clip Procedure. Structural Heart, 0, , 1-3.	0.6	0
76	The impact of pulmonary hypertension on outcomes of transcatheter mitral valve replacement in mitral annular calcification. Catheterization and Cardiovascular Interventions, 2022, , .	1.7	0