

# Jonathan Beaudoin

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

2,442  
citations

201385

27  
h-index

205818

48  
g-index

72  
all docs

72  
docs citations

72  
times ranked

2937  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitral valve diseaseâ€™ morphology and mechanisms. <i>Nature Reviews Cardiology</i> , 2015, 12, 689-710.	6.1	281
2	Association of Paravalvular Regurgitation With 1-Year Outcomes After Transcatheter Aortic Valve Replacement With the SAPIEN 3 Valve. <i>JAMA Cardiology</i> , 2017, 2, 1208.	3.0	155
3	Staging Cardiac Damage in Patients With Asymptomatic Aortic Valve Stenosis. <i>Journal of the American College of Cardiology</i> , 2019, 74, 550-563.	1.2	152
4	Significant Mitral Regurgitation Left Untreated at the Time of Aortic Valve Replacement. <i>Journal of the American College of Cardiology</i> , 2014, 63, 2643-2658.	1.2	147
5	Structural Deterioration of Transcatheter Versus Surgical Aortic Valve Bioprostheses in the PARTNER-2 Trial. <i>Journal of the American College of Cardiology</i> , 2020, 76, 1830-1843.	1.2	119
6	Effect of Losartan on Mitral Valve Changes After Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2017, 70, 1232-1244.	1.2	97
7	Safety of Transesophageal Echocardiography to Guide Structural Cardiac Interventions. <i>Journal of the American College of Cardiology</i> , 2020, 75, 3164-3173.	1.2	95
8	Myocardial Infarction Alters Adaptation of the Tethered Mitral Valve. <i>Journal of the American College of Cardiology</i> , 2016, 67, 275-287.	1.2	93
9	Echocardiographic Results of Transcatheter Versus Surgical Aortic Valve Replacement in Low-Risk Patients. <i>Circulation</i> , 2020, 141, 1527-1537.	1.6	89
10	Early Experience With Transcatheter Mitral Valve Replacement: A Systematic Review. <i>Journal of the American Heart Association</i> , 2019, 8, e013332.	1.6	79
11	Mitral Valve Enlargement in Chronic Aortic Regurgitation as a Compensatory Mechanism to Prevent Functional Mitral Regurgitation in the Dilated Left Ventricle. <i>Journal of the American College of Cardiology</i> , 2013, 61, 1809-1816.	1.2	77
12	Echocardiographic predictors of outcomes in adults with aortic stenosis. <i>Heart</i> , 2016, 102, 934-942.	1.2	74
13	CD45 Expression in Mitral Valve Endothelial Cells After Myocardial Infarction. <i>Circulation Research</i> , 2016, 119, 1215-1225.	2.0	69
14	Sex-Related Differences in the Extent of Myocardial Fibrosis in Patients With Aortic Valve Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 699-711.	2.3	67
15	Assessment of Mitral Valve Adaptation With Gated Cardiac Computed Tomography. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 784-789.	1.3	56
16	Impact of left ventricular remodelling patterns on outcomes in patients with aortic stenosis. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1378-1387.	0.5	56
17	Basic Mechanisms of Mitral Regurgitation. <i>Canadian Journal of Cardiology</i> , 2014, 30, 971-981.	0.8	51
18	Mitral Leaflet Changes Following Myocardial Infarction. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	1.3	50

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19	Transesophageal echocardiography complications associated with interventional cardiology procedures. <i>American Heart Journal</i> , 2020, 221, 19-28.	1.2	46
20	Leaflet Area as a Determinant of Tricuspid Regurgitation Severity in Patients With Pulmonary Hypertension. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, .	1.3	45
21	Impact of sex on the management and outcome of aortic stenosis patients. <i>European Heart Journal</i> , 2021, 42, 2683-2691.	1.0	44
22	Late Repair of Ischemic Mitral Regurgitation Does Not Prevent Left Ventricular Remodeling: Importance of Timing for Beneficial Repair. <i>Circulation</i> , 2013, 128, S248-S252.	1.6	43
23	A Machine-Learning Framework to Identify Distinct Phenotypes of Aortic Stenosis Severity. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1707-1720.	2.3	39
24	Gene profiling of left ventricle eccentric hypertrophy in aortic regurgitation in rats: rationale for targeting the $\beta_2$ -adrenergic and renin-angiotensin systems. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H669-H677.	1.5	33
25	Attenuated Mitral Leaflet Enlargement Contributes to Functional Mitral Regurgitation After Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2020, 75, 395-405.	1.2	33
26	Changes in Coagulation and Platelet Activation Markers Following Transcatheter Left Atrial Appendage Closure. <i>American Journal of Cardiology</i> , 2017, 120, 87-91.	0.7	28
27	Assessment of image quality and radiation dose of prospectively ECG-triggered adaptive dual-source coronary computed tomography angiography (cCTA) with arrhythmia rejection algorithm in systole versus diastole: a retrospective cohort study. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 1361-1370.	0.7	27
28	Comparative Study of Vasodilators in an Animal Model of Chronic Volume Overload Caused by Severe Aortic Regurgitation. <i>Circulation: Heart Failure</i> , 2009, 2, 25-32.	1.6	24
29	A patient with a juxtaglomerular cell tumor with histological vascular invasion. <i>Nature Clinical Practice Nephrology</i> , 2008, 4, 458-462.	2.0	22
30	Infective endocarditis following transcatheter edge-to-edge mitral valve repair: A systematic review. <i>Catheterization and Cardiovascular Interventions</i> , 2018, 92, 583-591.	0.7	21
31	Short-Term Oral Anticoagulation Versus Antiplatelet Therapy Following Transcatheter Left Atrial Appendage Closure. <i>Circulation: Cardiovascular Interventions</i> , 2020, 13, e009039.	1.4	19
32	Forward Left Ventricular Ejection Fraction: A Simple Risk Marker in Patients With Primary Mitral Regurgitation. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	18
33	Myocardial scar imaging by standard single-energy and dual-energy late enhancement CT: Comparison with pathology and electroanatomic map in an experimental chronic infarct porcine model. <i>Journal of Cardiovascular Computed Tomography</i> , 2015, 9, 313-320.	0.7	16
34	Left atrial appendage closure: Initial experience with the ultraseal device. <i>Catheterization and Cardiovascular Interventions</i> , 2017, 90, 817-823.	0.7	16
35	Novel Heart Failure Biomarkers Predict Improvement of Mitral Regurgitation in Patients Receiving Cardiac Resynchronization Therapy—The BIOCRT Study. <i>Canadian Journal of Cardiology</i> , 2016, 32, 1478-1484.	0.8	13
36	Significant mitral regurgitation in patients undergoing TAVR : Mechanisms and imaging variables associated with improvement. <i>Echocardiography</i> , 2019, 36, 722-731.	0.3	13

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37	Testosterone deficiency reduces cardiac hypertrophy in a rat model of severe volume overload. <i>Physiological Reports</i> , 2019, 7, e14088.	0.7	10
38	Feasibility of aortic valve assessment with low dose prospectively triggered adaptive systolic (PTAS) cardiac computed tomography angiography. <i>BMC Research Notes</i> , 2013, 6, 158.	0.6	9
39	Prognosis of functional mitral regurgitation after aortic valve replacement for pure severe aortic stenosis. <i>Journal of Cardiac Surgery</i> , 2021, 36, 3100-3111.	0.3	8
40	Impact of thrombus aspiration on angiographic and clinical outcomes in patients with ST-elevation myocardial infarction. <i>Cardiovascular Revascularization Medicine</i> , 2010, 11, 218-222.	0.3	7
41	Relationship of soluble ST2 to pulmonary hypertension severity in patients undergoing cardiac resynchronization therapy. <i>Journal of Thoracic Disease</i> , 2019, 11, 5362-5371.	0.6	7
42	Ten Questions Cardiologists Should Be Able to Answer About Cardiac Sarcoidosis: Case-Based Approach and Contemporary Review. <i>CJC Open</i> , 2021, 3, 532-548.	0.7	7
43	Run With the Hare and Hunt With the Hounds. <i>JACC: Cardiovascular Interventions</i> , 2016, 9, e223-e225.	1.1	6
44	Increasing Pulmonary Arterial Pressure at Low Level of Exercise in Asymptomatic, Organic Mitral Regurgitation. <i>Journal of the American College of Cardiology</i> , 2018, 71, 700-701.	1.2	6
45	Current Management of Patients with Severe Aortic Regurgitation. <i>Current Treatment Options in Cardiovascular Medicine</i> , 2017, 19, 9.	0.4	5
46	Airway smooth muscle adapting in dynamic conditions is refractory to the bronchodilator effect of a deep inspiration. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L452-L458.	1.3	5
47	Effects of the loss of estrogen on the heart's hypertrophic response to chronic left ventricle volume overload in rats. <i>PeerJ</i> , 2019, 7, e7924.	0.9	5
48	Severe Ischemic Mitral Regurgitation Despite Normally Contracting Subpapillary Myocardium. <i>Circulation</i> , 2012, 126, 138-141.	1.6	4
49	Fate and Management of Tricuspid Regurgitation Following Transcatheter Pulmonary Valve Replacement. <i>Journal of the American College of Cardiology</i> , 2016, 68, 1536-1539.	1.2	4
50	Natural IgM Blockade Limits Infarct Expansion and Left Ventricular Dysfunction in a Swine Myocardial Infarct Model. <i>Circulation: Cardiovascular Interventions</i> , 2016, 9, e002547.	1.4	4
51	Multi-Modality Imaging in the Evaluation and Treatment of Mitral Regurgitation. <i>Current Treatment Options in Cardiovascular Medicine</i> , 2017, 19, 91.	0.4	4
52	Adverse impact of diabetes mellitus on left ventricular remodelling in patients with chronic primary mitral regurgitation. <i>Archives of Cardiovascular Diseases</i> , 2018, 111, 487-496.	0.7	4
53	Pathophysiology, Diagnosis, and New Therapeutic Approaches for Ischemic Mitral Regurgitation. <i>Canadian Journal of Cardiology</i> , 2021, 37, 968-979.	0.8	4
54	Percutaneous left atrial appendage closure in patients with primary hemostasis disorders and atrial fibrillation. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2022, 64, 497-509.	0.6	4

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55	Heavy Burden of Toxic Dilated Cardiomyopathy Among Young Adults: A Retrospective Study and Review of the Literature. <i>Canadian Journal of Cardiology</i> , 2022, 38, 49-58.	0.8	4
56	Clinical and echocardiographic presentation of postmyocardial infarction papillary muscle rupture. <i>Echocardiography</i> , 2019, 36, 1322-1329.	0.3	3
57	Is heart transplantation a valuable option in patients with diffuse systemic sclerosis and primary cardiac involvement?. <i>Clinical Case Reports (discontinued)</i> , 2020, 8, 137-141.	0.2	3
58	Safety and effects of volume loading during transesophageal echocardiography in the pre-procedural work-up for left atrial appendage closure. <i>Cardiovascular Ultrasound</i> , 2021, 19, 3.	0.5	3
59	Flexibility of microstructural adaptations in airway smooth muscle. <i>Journal of Applied Physiology</i> , 2021, 130, 1555-1561.	1.2	3
60	Cardiac Damage Staging Classification in Asymptomatic Moderate or Severe Primary Mitral Regurgitation. <i>Structural Heart</i> , 2022, 6, 100004.	0.2	3
61	Shortening of airway smooth muscle is modulated by prolonging the time without simulated deep inspirations in ovine tracheal strips. <i>Journal of Applied Physiology</i> , 2019, 127, 1528-1538.	1.2	2
62	Usefulness of Left Ventricular Assist Device in the Recovery of Severe Amphetamine-Associated Dilated Cardiomyopathy. <i>Canadian Journal of Cardiology</i> , 2020, 36, 317.e5-317.e7.	0.8	2
63	Progression of aortic stenosis after an acute myocardial infarction. <i>Open Heart</i> , 2022, 9, e002046.	0.9	2
64	Significance of Left Ventricular Ejection Time in Primary Mitral Regurgitation. <i>American Journal of Cardiology</i> , 2022, 178, 97-105.	0.7	2
65	Translation of Animal Models into Clinical Practice. , 2015, , 93-102.		1
66	Billowing Motion of the Polyester Fabric Cover With WATCHMAN FLX Device. <i>JACC: Cardiovascular Interventions</i> , 2021, 14, e201-e204.	1.1	1
67	Early Activation of Growth Pathways in Mitral Leaflets Exposed to Aortic Regurgitation: New Insights from an Animal Model. <i>Journal of Heart Valve Disease</i> , 2017, 26, 281-289.	0.5	1
68	Watchman 2.5 <sup>TM</sup> versus Watchman FLX <sup>TM</sup> device in atypical left atrial anatomies: old fashion never dies. <i>Acta Cardiologica</i> , 0, , 1-5.	0.3	1
69	3D Ultrasound: seeing is understanding— from imaging to pathophysiology to developing therapies in secondary MR. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 510-511.	0.5	0
70	Strain overestimates non-viable myocardium in patients with ischemic mitral regurgitation: understandable discrepancy of complementary methods?. <i>Journal of Thoracic Disease</i> , 2018, 10, S3946-S3950.	0.6	0
71	Post-release shift with Watchman FLX devices during left atrial appendage closure: the “popcorn effect”. <i>EuroIntervention</i> , 2022, 18, e181-e182.	1.4	0