Jonathan Beaudoin

List of Publications by Citations

64 papers	1,386 citations	22 h-index	36 g-index
72 ext. papers	2,045 ext. citations	4.6 avg, IF	4.1 L-index

#	Paper	IF	Citations
64	Mitral valve disease--morphology and mechanisms. *Nature Reviews Cardiology*, **2015**, 12, 689-710	14.8	172
63	Significant mitral regurgitation left untreated at the time of aortic valve replacement: a comprehensive review of a frequent entity in the transcatheter aortic valve replacement era. *Journal of the American College of Cardiology*, **2014**, 63, 2643-58	15.1	112
62	Association of Paravalvular Regurgitation With 1-Year Outcomes After Transcatheter Aortic Valve Replacement With the SAPIEN 3 Valve. *JAMA Cardiology*, **2017**, 2, 1208-1216	16.2	89
61	Staging Cardiac Damage in Patients With Asymptomatic Aortic Valve Stenosis. *Journal of the American College of Cardiology*, **2019**, 74, 550-563	15.1	61
60	Myocardial Infarction Alters Adaptation of the Tethered Mitral Valve. *Journal of the American College of Cardiology*, **2016**, 67, 275-87	15.1	55
59	Mitral valve enlargement in chronic aortic regurgitation as a compensatory mechanism to prevent functional mitral regurgitation in the dilated left ventricle. *Journal of the American College of Cardiology*, **2013**, 61, 1809-16	15.1	55
58	Effect of Losartan on Mitral Valve Changes After Myocardial Infarction. *Journal of the American College of Cardiology*, **2017**, 70, 1232-1244	15.1	55
57	Early Experience With Transcatheter Mitral Valve Replacement: A Systematic Review. *Journal of the American Heart Association*, **2019**, 8, e013332	6	49
56	Assessment of mitral valve adaptation with gated cardiac computed tomography: validation with three-dimensional echocardiography and mechanistic insight to functional mitral regurgitation. *Circulation: Cardiovascular Imaging*, **2013**, 6, 784-9	3.9	48
55	Echocardiographic predictors of outcomes in adults with aortic stenosis. *Heart*, **2016**, 102, 934-42	5.1	43
54	CD45 Expression in Mitral Valve Endothelial Cells After Myocardial Infarction. *Circulation Research*, **2016**, 119, 1215-1225	15.7	43
53	Echocardiographic Results of Transcatheter Versus Surgical Aortic Valve Replacement in Low-Risk Patients: The PARTNER 3 Trial. *Circulation*, **2020**, 141, 1527-1537	16.7	43
52	Basic mechanisms of mitral regurgitation. *Canadian Journal of Cardiology*, **2014**, 30, 971-81	3.8	40
51	Structural Deterioration of Transcatheter Versus Surgical Aortic Valve Bioprostheses in the PARTNER-2 Trial. *Journal of the American College of Cardiology*, **2020**, 76, 1830-1843	15.1	40
50	Impact of left ventricular remodelling patterns on outcomes in patients with aortic stenosis. *European Heart Journal Cardiovascular Imaging*, **2017**, 18, 1378-1387	4.1	34
49	Late repair of ischemic mitral regurgitation does not prevent left ventricular remodeling: importance of timing for beneficial repair. *Circulation*, **2013**, 128, S248-52	16.7	31
48	Leaflet area as a determinant of tricuspid regurgitation severity in patients with pulmonary hypertension. *Circulation: Cardiovascular Imaging*, **2015**, 8,	3.9	30

47	Safety of Transesophageal Echocardiography to Guide Structural Cardiac Interventions. *Journal of the American College of Cardiology*, **2020**, 75, 3164-3173	15.1	28
46	Gene profiling of left ventricle eccentric hypertrophy in aortic regurgitation in rats: rationale for targeting the beta-adrenergic and renin-angiotensin systems. *American Journal of Physiology - Heart and Circulatory Physiology*, **2009**, 296, H669-77	5.2	28
45	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. *International Journal of Cardiovascular Imaging*, **2013**, 29, 1361-70	2.5	26
44	Sex-Related Differences in the Extent of Myocardial Fibrosis in Patients With Aortic Valve Stenosis. *JACC: Cardiovascular Imaging*, **2020**, 13, 699-711	8.4	26
43	Mitral Leaflet Changes Following Myocardial Infarction: Clinical Evidence for Maladaptive Valvular Remodeling. *Circulation: Cardiovascular Imaging*, **2017**, 10,	3.9	24
42	Comparative study of vasodilators in an animal model of chronic volume overload caused by severe aortic regurgitation. *Circulation: Heart Failure*, **2009**, 2, 25-32	7.6	20
41	A patient with a juxtaglomerular cell tumor with histological vascular invasion. *Nature Clinical Practice Nephrology*, **2008**, 4, 458-62		18
40	Attenuated Mitral Leaflet Enlargement Contributes to Functional Mitral Regurgitation After Myocardial Infarction. *Journal of the American College of Cardiology*, **2020**, 75, 395-405	15.1	16
39	Transesophageal echocardiography complications associated with interventional cardiology procedures. *American Heart Journal*, **2020**, 221, 19-28	4.9	16
38	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. *Journal of Cardiovascular Computed Tomography*, **2015**, 9, 313-20	2.8	15
37	Left atrial appendage closure: Initial experience with the ultraseal device. *Catheterization and Cardiovascular Interventions*, **2017**, 90, 817-823	2.7	15
36	Infective endocarditis following transcatheter edge-to-edge mitral valve repair: A systematic review. *Catheterization and Cardiovascular Interventions*, **2018**, 92, 583-591	2.7	14
35	Changes in Coagulation and Platelet Activation Markers Following Transcatheter Left Atrial Appendage Closure. *American Journal of Cardiology*, **2017**, 120, 87-91	3	13
34	Short-Term Oral Anticoagulation Versus Antiplatelet Therapy Following Transcatheter Left Atrial Appendage Closure. *Circulation: Cardiovascular Interventions*, **2020**, 13, e009039	6	11
33	Impact of sex on the management and outcome of aortic stenosis patients. *European Heart Journal*, **2021**, 42, 2683-2691	9.5	10
32	Novel Heart Failure Biomarkers Predict Improvement of Mitral Regurgitation in Patients Receiving Cardiac Resynchronization Therapy-The BIOCRT Study. *Canadian Journal of Cardiology*, **2016**, 32, 1478-1484	3.8	10
31	Significant mitral regurgitation in patients undergoing TAVR: Mechanisms and imaging variables associated with improvement. *Echocardiography*, **2019**, 36, 722-731	1.5	9
30	Feasibility of aortic valve assessment with low dose prospectively triggered adaptive systolic (PTAS) cardiac computed tomography angiography. *BMC Research Notes*, **2013**, 6, 158	2.3	9

29	Forward Left Ventricular Ejection Fraction: A Simple Risk Marker in Patients With Primary Mitral Regurgitation. *Journal of the American Heart Association*, **2017**, 6,	6	8
28	Testosterone deficiency reduces cardiac hypertrophy in a rat model of severe volume overload. *Physiological Reports*, **2019**, 7, e14088	2.6	6
27	Current Management of Patients with Severe Aortic Regurgitation. *Current Treatment Options in Cardiovascular Medicine*, **2017**, 19, 9	2.1	5
26	Impact of thrombus aspiration on angiographic and clinical outcomes in patients with ST-elevation myocardial infarction. *Cardiovascular Revascularization Medicine*, **2010**, 11, 218-22	1.6	5
25	Run With the Hare and Hunt With the Hounds: Watchman Device Surgical Resection in the Setting of Recurrent Device Related Thrombi in a Patient With Bleeding Diathesis. *JACC: Cardiovascular Interventions*, **2016**, 9, e223-e225	5	5
24	A Machine-Learning Framework to Identify Distinct Phenotypes of Aortic Stenosis Severity. *JACC: Cardiovascular Imaging*, **2021**, 14, 1707-1720	8.4	5
23	Multi-Modality Imaging in the Evaluation and Treatment of Mitral Regurgitation. *Current Treatment Options in Cardiovascular Medicine*, **2017**, 19, 91	2.1	4
22	Adverse impact of diabetes mellitus on left ventricular remodelling in patients with chronic primary mitral regurgitation. *Archives of Cardiovascular Diseases*, **2018**, 111, 487-496	2.7	4
21	Severe ischemic mitral regurgitation despite normally contracting subpapillary myocardium. *Circulation*, **2012**, 126, 138-41	16.7	4
20	Effects of the loss of estrogen on the heart's hypertrophic response to chronic left ventricle volume overload in rats. *PeerJ*, **2019**, 7, e7924	3.1	4
19	Prognosis of functional mitral regurgitation after aortic valve replacement for pure severe aortic stenosis. *Journal of Cardiac Surgery*, **2021**, 36, 3100-3111	1.3	4
18	Relationship of soluble ST2 to pulmonary hypertension severity in patients undergoing cardiac resynchronization therapy. *Journal of Thoracic Disease*, **2019**, 11, 5362-5371	2.6	4
17	Natural IgM Blockade Limits Infarct Expansion and Left Ventricular Dysfunction in a Swine Myocardial Infarct Model. *Circulation: Cardiovascular Interventions*, **2016**, 9, e002547	6	3
16	Shortening of airway smooth muscle is modulated by prolonging the time without simulated deep inspirations in ovine tracheal strips. *Journal of Applied Physiology*, **2019**, 127, 1528-1538	3.7	2
15	Clinical and echocardiographic presentation of postmyocardial infarction papillary muscle rupture. *Echocardiography*, **2019**, 36, 1322-1329	1.5	2
14	Airway smooth muscle adapting in dynamic conditions is refractory to the bronchodilator effect of a deep inspiration. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2020**, 318, L452-L458	5.8	2
13	Translation of Animal Models into Clinical Practice **2015**, 93-102		1
12	Is heart transplantation a valuable option in patients with diffuse systemic sclerosis and primary cardiac involvement?. *Clinical Case Reports (discontinued)*, **2020**, 8, 137-141	0.7	1

List of Publications

11	Increasing Pulmonary Arterial Pressure at Low Level of Exercise in Asymptomatic, Organic Mitral Regurgitation. *Journal of the American College of Cardiology*, **2018**, 71, 700-701	15.1	1
10	Ten Questions Cardiologists Should Be Able to Answer About Cardiac Sarcoidosis: Case-Based Approach and Contemporary Review. *CJC Open*, **2021**, 3, 532-548	2	1
9	Safety and effects of volume loading during transesophageal echocardiography in the pre-procedural work-up for left atrial appendage closure. *Cardiovascular Ultrasound*, **2021**, 19, 3	2.4	1
8	Pathophysiology, Diagnosis, and New Therapeutic Approaches for Ischemic Mitral Regurgitation. *Canadian Journal of Cardiology*, **2021**, 37, 968-979	3.8	1
7	Early Activation of Growth Pathways in Mitral Leaflets Exposed to Aortic Regurgitation: New Insights from an Animal Model. *Journal of Heart Valve Disease*, **2017**, 26, 281-289		1
6	Percutaneous left atrial appendage closure in patients with primary hemostasis disorders and atrial fibrillation. *Journal of Interventional Cardiac Electrophysiology*, **2021**, 1	2.4	0
5	Usefulness of Left Ventricular Assist Device in the Recovery of Severe Amphetamine-Associated Dilated Cardiomyopathy. *Canadian Journal of Cardiology*, **2020**, 36, 317.e5-317.e7	3.8	0
4	Flexibility of microstructural adaptations in airway smooth muscle. *Journal of Applied Physiology*, **2021**, 130, 1555-1561	3.7	0
3	Billowing Motion of the Polyester Fabric Cover With WATCHMAN FLX Device: The Wind Sailing Effect. *JACC: Cardiovascular Interventions*, **2021**, 14, e201-e204	5	0
2	Cardiac Damage Staging Classification in Asymptomatic Moderate or Severe Primary Mitral Regurgitation. *Structural Heart*, **2022**, 100004	0.6	0
1	Watchman 2.5TM versus Watchman FLXTM device in atypical left atrial anatomies: old fashion never dies. *Acta Cardiologica*,1-5	0.9	