Pascal Theriault-Lauzier

List of Publications by Year
in descending order

33 papers	1,291 citations	643344 15 h-index	445137 33 g-index
35 all docs	35 docs citations	35 times ranked	1946 citing authors

#	Article	IF	Citations
1	Novel Artificial Intelligence Applications in Cardiology: Current Landscape, Limitations, and the Road to Real-World Applications. Journal of Cardiovascular Translational Research, 2023, 16, 513-525.	1.1	5
2	The Evolving Role of Artificial Intelligence in Cardiac Image Analysis. Canadian Journal of Cardiology, 2022, 38, 214-224.	0.8	8
3	Should they stay, or should they go: do we need to remove the old cardiac implantable electronic device if a new system is required on the contralateral side?. Heart Rhythm O2, 2022, 3, 169-175.	0.6	1
4	Artificial Intelligence Detection of Left Ventricular Systolic Dysfunction Using Chest X-Rays: Prospective Validation, Please. Canadian Journal of Cardiology, 2022, 38, 720-722.	0.8	3
5	Percutaneous Closure of a Giant Aortic Pseudoaneurysm Using Multimodality Imaging Guidance. Canadian Journal of Cardiology, 2021, 37, 1283-1285.	0.8	1
6	Implications of Myocardial Infarction on Management and Outcome in Cardiogenic Shock. Journal of the American Heart Association, 2021, 10, e021570.	1.6	15
7	Patient-Specific Computer Simulation in TAVR. JACC: Cardiovascular Interventions, 2020, 13, 1813-1815.	1.1	3
8	Optimal Fluoroscopic Projections of Coronary Ostia and Bifurcations Defined by Computed Tomographic Coronary Angiography. JACC: Cardiovascular Interventions, 2020, 13, 2560-2570.	1.1	28
9	Recursive multiresolution convolutional neural networks for 3D aortic valve annulus planimetry. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 577-588.	1.7	10
10	Optimal fluoroscopic viewing angles of right-sided heart structures in patients with tricuspid regurgitation based on multislice computed tomography. EuroIntervention, 2019, 15, .	1.4	5
11	Imaging Modality-Independent Anatomy of the Left Heart. , 2018, , 125-135.		0
12	Fluoroscopic Anatomy of Right-Sided Heart Structures for Transcatheter Interventions. JACC: Cardiovascular Interventions, 2018, 11, 1614-1625.	1.1	25
13	Multimodality imaging for interventional cardiologists. EuroIntervention, 2018, 14, AB33-AB39.	1.4	2
14	Predicting LVOTÂObstruction in Transcatheter Mitral ValveÂImplantation. JACC: Cardiovascular Imaging, 2017, 10, 482-485.	2.3	213
15	Transcatheter aortic valve implantation versus redo surgery for failing surgical aortic bioprostheses: a multicentre propensity score analysis. EuroIntervention, 2017, 13, 1149-1156.	1.4	51
16	Transcatheter Mitral Paravalvular Leak Closure Facilitated by Preprocedural Cardiac CT for Simulation of Fluoroscopic Anatomy and Paravalvular Defect Localization. Journal of Invasive Cardiology, 2017, 29, E23-E25.	0.4	3
17	Three-dimensional echocardiography vs. computed tomography for transcatheter aortic valve replacement sizing. European Heart Journal Cardiovascular Imaging, 2016, 17, jev238.	0.5	47
18	Optimal fluoroscopic viewing angles of left-sided heart structures in patients with aortic stenosis and mitral regurgitation based on multislice computed tomography. Journal of Cardiovascular Computed Tomography, 2016, 10, 162-172.	0.7	26

#	Article	IF	Citations
19	Transcatheter Aortic Valve Replacement and New Conduction Abnormalities/Permanent Pacemaker. JACC: Cardiovascular Interventions, 2016, 9, 255-258.	1.1	10
20	Quantitative multi-slice computed tomography assessment of the mitral valvular complex for transcatheter mitral valve interventions part 1: systematic measurement methodology and inter-observer variability. EuroIntervention, 2016, 12, e1011-e1020.	1.4	25
21	Quantitative multi-slice computed tomography assessment of the mitral valvular complex for transcatheter mitral valve interventions part 2: geometrical measurements in patients with functional mitral regurgitation. EuroIntervention, 2016, 12, e1021-e1030.	1.4	21
22	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
23	Transcatheter heart valve failure: a systematic review. European Heart Journal, 2015, 36, 1306-1327.	1.0	183
24	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.	0.4	9
25	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, 183-192.	0.7	46
26	Computed Tomography for Structural Heart Disease and Interventions. Interventional Cardiology Review, 2015, 10, 149.	0.7	9
27	Transcatheter Aortic Valve Replacement inÂBicuspid Aortic Valve Disease. Journal of the American College of Cardiology, 2014, 64, 2330-2339.	1.2	280
28	Fluoroscopic Anatomy of Left-Sided Heart Structures for Transcatheter Interventions. JACC: Cardiovascular Interventions, 2014, 7, 947-957.	1.1	52
29	Measurements matters: the case for 3D MSCT software for aortic annulus quantification. EuroIntervention, 2014, 10, 294-295.	1.4	1
30	Characterization of statistical prior image constrained compressed sensing. I. Applications to timeâ€resolved contrastâ€enhanced CT. Medical Physics, 2012, 39, 5930-5948.	1.6	24
31	Noise spatial nonuniformity and the impact of statistical image reconstruction in CT myocardial perfusion imaging. Medical Physics, 2012, 39, 4079-4092.	1.6	15
32	Time-Resolved Interventional Cardiac C-arm Cone-Beam CT: An Application of the PICCS Algorithm. IEEE Transactions on Medical Imaging, 2012, 31, 907-923.	5.4	66
33	Prior image constrained compressed sensing: Implementation and performance evaluation. Medical Physics, 2011, 39, 66-80.	1.6	96