

Pascal Theriault-Lauzier

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,291
citations

567281

15
h-index

395702

33
g-index

35
all docs

35
docs citations

35
times ranked

1814
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Predicting LVOT Obstruction in Transcatheter Mitral Valve Implantation. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 482-485.	5.3	213
3	Transcatheter heart valve failure: a systematic review. <i>European Heart Journal</i> , 2015, 36, 1306-1327.	2.2	183
4	Prior image constrained compressed sensing: Implementation and performance evaluation. <i>Medical Physics</i> , 2011, 39, 66-80.	3.0	96
5	Time-Resolved Interventional Cardiac C-arm Cone-Beam CT: An Application of the PICCS Algorithm. <i>IEEE Transactions on Medical Imaging</i> , 2012, 31, 907-923.	8.9	66
6	Fluoroscopic Anatomy of Left-Sided Heart Structures for Transcatheter Interventions. <i>JACC: Cardiovascular Interventions</i> , 2014, 7, 947-957.	2.9	52
7	Transcatheter aortic valve implantation versus redo surgery for failing surgical aortic bioprostheses: a multicentre propensity score analysis. <i>EuroIntervention</i> , 2017, 13, 1149-1156.	3.2	51
8	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
9	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
10	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
11	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
12	Fluoroscopic Anatomy of Right-Sided Heart Structures for Transcatheter Interventions. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 1614-1625.	2.9	25
13	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. <i>EuroIntervention</i> , 2016, 12, e1011-e1020.	3.2	25
14	Characterization of statistical prior image constrained compressed sensing. I. Applications to time-resolved contrast-enhanced CT. <i>Medical Physics</i> , 2012, 39, 5930-5948.	3.0	24
15	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. <i>EuroIntervention</i> , 2016, 12, e1021-e1030.	3.2	21
16	Noise spatial nonuniformity and the impact of statistical image reconstruction in CT myocardial perfusion imaging. <i>Medical Physics</i> , 2012, 39, 4079-4092.	3.0	15
17	Implications of Myocardial Infarction on Management and Outcome in Cardiogenic Shock. <i>Journal of the American Heart Association</i> , 2021, 10, e021570.	3.7	15
18	Transcatheter Aortic Valve Replacement and New Conduction Abnormalities/Permanent Pacemaker. <i>JACC: Cardiovascular Interventions</i> , 2016, 9, 255-258.	2.9	10

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Computed Tomography for Structural Heart Disease and Interventions. Interventional Cardiology Review, 2015, 10, 149.	1.6	9
22	The Evolving Role of Artificial Intelligence in Cardiac Image Analysis. Canadian Journal of Cardiology, 2022, 38, 214-224.	1.7	8
23	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
24	Optimal fluoroscopic viewing angles of right-sided heart structures in patients with tricuspid regurgitation based on multislice computed tomography. EuroIntervention, 2019, 15, .	3.2	5
25	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.	2.4	5
26	Patient-Specific Computer Simulation in TAVR. JACC: Cardiovascular Interventions, 2020, 13, 1813-1815.	2.9	3
27	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
28	Artificial Intelligence Detection of Left Ventricular Systolic Dysfunction Using Chest X-Rays: Prospective Validation, Please. Canadian Journal of Cardiology, 2022, 38, 720-722.	1.7	3
29	Multimodality imaging for interventional cardiologists. EuroIntervention, 2018, 14, AB33-AB39.	3.2	2
30	Percutaneous Closure of a Giant Aortic Pseudoaneurysm Using Multimodality Imaging Guidance. Canadian Journal of Cardiology, 2021, 37, 1283-1285.	1.7	1
31	Measurements matters: the case for 3D MSCT software for aortic annulus quantification. EuroIntervention, 2014, 10, 294-295.	3.2	1
32	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.	1.7	1
33	Imaging Modality-Independent Anatomy of the Left Heart. , 2018, , 125-135.		0