Christopher Raffel

List of Publications by Year in Descending Order

74 papers	3,637 citations	24 h-index	60 g-index
79 ext. papers	4,650 ext. citations	6 avg, IF	4.7 L-index

#	Paper	IF	Citations
74	Prognostic Value of Cardiac Magnetic Resonance Imaging in Acute Coronary Syndrome Patients With Troponin Elevation and Nonobstructive Coronary Arteries. *Mayo Clinic Proceedings*, **2021**, 96, 1822-1834	6.4	1
73	Case Report: Evaluating Biomechanical Risk Factors in Carotid Stenosis by Patient-Specific Fluid-Structural Interaction Biomechanical Analysis. *Cerebrovascular Diseases*, **2021**, 50, 262-269	3.2	1
72	Coronary plaque and clinical characteristics of South Asian (Indian) patients with acute coronary syndromes: An optical coherence tomography study. *International Journal of Cardiology*, **2021**, 343, 171-179	3.2	0
71	Optical coherence tomography: fundamentals and clinical utility. *Cardiovascular Diagnosis and Therapy*, **2020**, 10, 1389-1414	2.6	4
70	Effect of Alirocumab on Lipoprotein(a) and Cardiovascular Risk After Acute Coronary Syndrome. *Journal of the American College of Cardiology*, **2020**, 75, 133-144	15.1	147
69	Optical coherence tomography-based patient-specific coronary artery reconstruction and fluid-structure interaction simulation. *Biomechanics and Modeling in Mechanobiology*, **2020**, 19, 7-20	3.8	18
68	Effects of Alirocumab on Cardiovascular Events After Coronary Bypass Surgery. *Journal of the American College of Cardiology*, **2019**, 74, 1177-1186	15.1	33
67	Risk Categorization Using New American College of Cardiology/American Heart Association Guidelines for Cholesterol Management and Its Relation to Alirocumab Treatment Following Acute Coronary Syndromes. *Circulation*, **2019**, 140, 1578-1589	16.7	24
66	Effects of alirocumab on types of myocardial infarction: insights from the ODYSSEY OUTCOMES trial. *European Heart Journal*, **2019**, 40, 2801-2809	9.5	27
65	Effect of Alirocumab on Mortality After Acute Coronary Syndromes. *Circulation*, **2019**, 140, 103-112	16.7	72
64	Thrombocytopenia post Transcatheter Aortic Valve Insertion: Clinical and Prognostic Significance. *Structural Heart*, **2019**, 3, 150-154	0.6	
63	Alirocumab in Patients With Polyvascular Disease and Recent Acute Coronary Syndrome: ODYSSEY OUTCOMES Trial. *Journal of the American College of Cardiology*, **2019**, 74, 1167-1176	15.1	87
62	Effects of alirocumab on cardiovascular and metabolic outcomes after acute coronary syndrome in patients with or without diabetes: a prespecified analysis of the ODYSSEY OUTCOMES randomised controlled trial. *Lancet Diabetes and Endocrinology,the*, **2019**, 7, 618-628	18.1	120
61	Alirocumab Reduces Total Hospitalizations and Increases Days Alive and Out of Hospital in the ODYSSEY OUTCOMES Trial. *Circulation: Cardiovascular Quality and Outcomes*, **2019**, 12, e005858	5.8	13
60	Diagnostic accuracy of intracoronary optical coherence tomography-derived fractional flow reserve for assessment of coronary stenosis severity. *EuroIntervention*, **2019**, 15, 189-197	3.1	38
59	Carotid Bifurcation With Tandem Stenosis-A Patient-Specific Case Study Combined Imaging, Histology and Simulation. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 349	5.8	5
58	Alirocumab Reduces Total Nonfatal Cardiovascular and Fatal Events: The ODYSSEY OUTCOMES Trial. *Journal of the American College of Cardiology*, **2019**, 73, 387-396	15.1	96

57	Radiation Exposure of Operators Performing Transesophageal Echocardiography During Percutaneous Structural Cardiac Interventions. *Journal of the American College of Cardiology*, **2018**, 71, 1246-1254	15.1	13
56	Cerebral Microcirculation and Histological Mapping After Severe Head Injury: A Contusion and Acceleration Experimental Model. *Frontiers in Neurology*, **2018**, 9, 277	4.1	
55	Percutaneous Transvenous Mitral Valve-in-Valve Implantation Using Commercially Available Transcatheter Valve. First Australian Experience. *Heart Lung and Circulation*, **2018**, 27, e42-e45	1.8	3
54	The effects of normovolemic anemia and blood transfusion on cerebral microcirculation after severe head injury. *Intensive Care Medicine Experimental*, **2018**, 6, 46	3.7	1
53	Alirocumab and Cardiovascular Outcomes after Acute Coronary Syndrome. *New England Journal of Medicine*, **2018**, 379, 2097-2107	59.2	1277
52	Shirtfront Myocardial Infarction: Traumatic Coronary Plaque Disruption Secondary to a Football Tackle. *Heart Lung and Circulation*, **2017**, 26, e90-e92	1.8	1
51	Successful hybrid coronary artery revascularisation in a patient with severe cerebrovascular disease: a new treatment option to minimise the risk of stroke. *BMJ Case Reports*, **2017**, 2017,	0.9	
50	Comparison of surgical repair and percutaneous stent implantation for native coarctation of the aorta in patients ≥15 years of age. *International Journal of Cardiology*, **2016**, 203, 629-31	3.2	6
49	Retrospective Study of First-Generation Drug-Eluting Stents, Second-Generation Drug-Eluting Stents and Non-Drug Eluting Stent Methods in the Treatment of Native Vessel In-Stent Restenosis in Real-World Clinical Practice. *Heart Lung and Circulation*, **2016**, 25, 342-51	1.8	2
48	Cerebral Microcirculation during Experimental Normovolaemic Anemia. *Frontiers in Neurology*, **2016**, 7, 6	4.1	2
47	Quantitative analysis of the side-branch orifice after bifurcation stenting using en-face processing of OCT images: a comparison between Xience V and Resolute Integrity stents. *Coronary Artery Disease*, **2016**, 27, 19-28	1.4	
46	Cerebral microcirculation during mild head injury after a contusion and acceleration experimental model in sheep. *Brain Injury*, **2016**, 30, 1542-1551	2.1	3
45	Factors Contributing to Acute Kidney Injury and the Impact on Mortality in Patients Undergoing Transcatheter Aortic Valve Replacement. *Heart Lung and Circulation*, **2016**, 25, 282-9	1.8	14
44	IMAGES IN CLINICAL MEDICINE. Enlarged Right Atrium. *New England Journal of Medicine*, **2016**, 375, e7	59.2	2
43	Outcomes of transcatheter aortic valve implantation in high surgical risk and inoperable patients with aortic stenosis: a single Australian Centre experience. *Internal Medicine Journal*, **2016**, 46, 42-51	1.6	4
42	The effect of X-ray beam distortion on the Edwards Sapien XT® trans-catheter aortic valve replacement prosthesis. *Journal of Medical Radiation Sciences*, **2015**, 62, 239-45	1.5	2
41	Pre-hospital ambulance notification and initiation of treatment of ST elevation myocardial infarction is associated with significant reduction in door-to-balloon time for primary PCI. *Heart Lung and Circulation*, **2014**, 23, 435-43	1.8	21
40	The long-term outcomes of transcoronary ablation of septal hypertrophy compared to surgical myectomy in patients with symptomatic hypertrophic obstructive cardiomyopathy. *Catheterization and Cardiovascular Interventions*, **2014**, 83, 270-7	2.7	14

39	Immediate closure of paravalvular leak after transcatheter aortic valve implantation. *Heart Lung and Circulation*, **2014**, 23, e251-3	1.8	5
38	A rare mechanism of very late bare metal stent thrombosis--role of optical coherence imaging in its evaluation and management. *Heart Lung and Circulation*, **2014**, 23, 190-2	1.8	1
37	Transcatheter valve-in-valve replacement of degenerated bioprosthetic aortic valves: a single Australian Centre experience. *Cardiovascular Revascularization Medicine*, **2014**, 15, 388-92	1.6	11
36	Conservative management and resolution of a contained rupture of aortic annulus following transcatheter valve replacement. *JACC: Cardiovascular Interventions*, **2013**, 6, e33-4	5	4
35	In vivo diagnosis of plaque erosion and calcified nodule in patients with acute coronary syndrome by intravascular optical coherence tomography. *Journal of the American College of Cardiology*, **2013**, 62, 1748-58	15.1	481
34	Normal functioning of a constrained CoreValve with DynaCT imaging demonstrating incomplete stent frame expansion. *International Journal of Cardiology*, **2013**, 163, e9-10	3.2	1
33	Drug eluting stents trapping intramural hematoma in spontaneous coronary artery dissection and healing pattern at six months: optical coherence tomography findings. *Cardiovascular Revascularization Medicine*, **2013**, 14, 183-6	1.6	5
32	Optical coherence tomography of late acquired bare metal stent malapposition: bare metal stent "diverticulosis". *Heart Lung and Circulation*, **2013**, 22, 688-9	1.8	
31	Using DynaCT for the assessment of ilio-femoral arterial calibre, calcification and tortuosity index in patients selected for trans-catheter aortic valve replacement. *International Journal of Cardiovascular Imaging*, **2013**, 29, 1537-45	2.5	4
30	Intracardiac echocardiography guided transeptal catheter injection of microspheres for assessment of cerebral microcirculation in experimental models. *Cardiology Research and Practice*, **2013**, 2013, 595838	1.9	6
29	Coronary CT angiography for patients with stable chest pain in the emergency department; an appraisal of current and emerging evidence. *Internal Medicine Journal*, **2012**, 42, 226-8; author reply 228-9	1.6	0
28	Left atrial appendage closure for non-valvular atrial fibrillation. *Heart Lung and Circulation*, **2012**, 21, 247-8	1.8	
27	Unconventional technique to catheterize an anomalous right coronary artery system. *International Journal of Cardiology*, **2012**, 159, e43-4	3.2	
26	Comparison between integrated backscatter intravascular ultrasound and 64-slice multi-detector row computed tomography for tissue characterization and volumetric assessment of coronary plaques. *Cardiovascular Ultrasound*, **2012**, 10, 33	2.4	6
25	First Australian transapical mitral valve-in-valve implant for a failed mitral bioprosthesis: how to do it. *Heart Lung and Circulation*, **2012**, 21, 737-9	1.8	2
24	CT angiography with cardiac MRI: non-invasive functional and anatomical assessment for the etiology in newly diagnosed heart failure. *International Journal of Cardiovascular Imaging*, **2012**, 28, 1111-22	2.5	18
23	Takotsubo cardiomyopathy: an Australian single centre experience with medium term follow up. *Internal Medicine Journal*, **2012**, 42, 35-42	1.6	21
22	Impact of optimising fluoroscopic implant angles on paravalvular regurgitation in transcatheter aortic valve replacements - utility of three-dimensional rotational angiography. *EuroIntervention*, **2012**, 8, 538-45	3.1	29

21	Comparison of atrial and brain natriuretic peptide for the assessment of mitral stenosis. *Heart Lung and Circulation*, **2011**, 20, 517-24	1.8	13
20	Spontaneous coronary artery dissection: utility of intravascular ultrasound and optical coherence tomography during percutaneous coronary intervention. *Circulation: Cardiovascular Interventions*, **2011**, 4, e5-7	6	50
19	Spontaneous recanalization of a coronary artery after thrombotic occlusion: in vivo demonstration with optical coherence tomography. *Journal of the American College of Cardiology*, **2010**, 55, 1274	15.1	24
18	Hyperglycemia on admission predicts larger infarct size in patients undergoing percutaneous coronary intervention for acute ST-segment elevation myocardial infarction. *Diabetes Research and Clinical Practice*, **2010**, 88, 97-102	7.4	13
17	Association of leukocyte and neutrophil counts with infarct size, left ventricular function and outcomes after percutaneous coronary intervention for ST-elevation myocardial infarction. *American Journal of Cardiology*, **2009**, 103, 333-7	3	116
16	Non-invasive assessment of myocardial ischaemia by using low amplitude oscillations of the conventional ECG signals (ECG dispersion mapping) during percutaneous coronary intervention. *Acta Cardiologica*, **2009**, 64, 11-5	0.9	4
15	Comparison of coronary plaque characteristics between diabetic and non-diabetic subjects: An in vivo optical coherence tomography study. *Diabetes Research and Clinical Practice*, **2008**, 81, 155-60	7.4	21
14	Cardiac optical coherence tomography. *Heart*, **2008**, 94, 1200-10	5.1	37
13	Elevated B-type natriuretic peptide despite normal left ventricular function on rest and exercise stress echocardiography in mitral regurgitation. *European Heart Journal*, **2008**, 29, 363-70	9.5	32
12	In vivo association between positive coronary artery remodelling and coronary plaque characteristics assessed by intravascular optical coherence tomography. *European Heart Journal*, **2008**, 29, 1721-8	9.5	94
11	Pilot study to assess the influence of beta-blockade on mitral regurgitant volume and left ventricular work in degenerative mitral valve disease. *Circulation*, **2008**, 118, 1041-6	16.7	24
10	Calcified plaque: measurement of area at thin-section flat-panel CT and 64-section multidetector CT and comparison with histopathologic findings. *Radiology*, **2008**, 249, 301-6	20.5	51
9	Association of statin therapy with reduced coronary plaque rupture: an optical coherence tomography study. *Coronary Artery Disease*, **2008**, 19, 237-42	1.4	37
8	Mapping of mitral regurgitant defects by cardiovascular magnetic resonance in moderate or severe mitral regurgitation secondary to mitral valve prolapse. *Journal of Cardiovascular Magnetic Resonance*, **2008**, 10, 16	6.9	33
7	Utility of cardiac biomarkers in predicting infarct size, left ventricular function, and clinical outcome after primary percutaneous coronary intervention for ST-segment elevation myocardial infarction. *JACC: Cardiovascular Interventions*, **2008**, 1, 415-23	5	164
6	Relationship between a systemic inflammatory marker, plaque inflammation, and plaque characteristics determined by intravascular optical coherence tomography. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2007**, 27, 1820-7	9.4	92
5	In-vivo comparison of coronary plaque characteristics using optical coherence tomography in women vs. men with acute coronary syndrome. *Coronary Artery Disease*, **2007**, 18, 423-7	1.4	33
4	Incidental finding of a ruptured thin-cap fibroatheroma by optical coherence tomography. *European Heart Journal*, **2006**, 27, 2393	9.5	2

3	Prognostic differences between different types of bundle branch block during the early phase of acute myocardial infarction: insights from the Hirulog and Early Reperfusion or Occlusion (HERO)-2 trial. *European Heart Journal*, **2006**, 27, 21-8	9.5	90
2	Initial Q waves accompanying ST-segment elevation at presentation of acute myocardial infarction and 30-day mortality in patients given streptokinase therapy: an analysis from HERO-2. *Lancet, The*, **2006**, 367, 2061-7	40	60
1	Practising what is preached: the MINAP study. *Heart*, **2004**, 90, 969-71	5.1	1