Christopher Raffel

List of Publications by Year
in descending order

79 papers	5,494 citations	185998 28 h-index	88477 70 g-index
79 all docs	79 docs citations	79 times ranked	6867 citing authors

#	Article	IF	Citations
1	Alirocumab and Cardiovascular Outcomes after Acute Coronary Syndrome. New England Journal of Medicine, 2018, 379, 2097-2107.	13.9	2,211
2	InÂVivo 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, 1748-1758.	1.2	648
3	Effect of Alirocumab on Lipoprotein(a) and Cardiovascular Risk After AcuteÂCoronary Syndrome. Journal of the American College of Cardiology, 2020, 75, 133-144.	1.2	296
4	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.	5.5	207
5	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, 415-423.	1.1	188
6	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, 333-337.	0.7	156
7	Alirocumab in Patients With Polyvascular Disease and Recent Acute CoronaryÂSyndrome. Journal of the American College of Cardiology, 2019, 74, 1167-1176.	1.2	154
8	Alirocumab Reduces Total Nonfatal Cardiovascular and Fatal Events. Journal of the American College of Cardiology, 2019, 73, 387-396.	1.2	131
9	Relationship Between a Systemic Inflammatory Marker, Plaque Inflammation, and Plaque Characteristics Determined by Intravascular Optical Coherence Tomography. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 1820-1827.	1.1	109
10	In vivo association between positive coronary artery remodelling and coronary plaque characteristics assessed by intravascular optical coherence tomography. European Heart Journal, 2008, 29, 1721-1728.	1.0	107
11	Effect of Alirocumab on Mortality After Acute Coronary Syndromes. Circulation, 2019, 140, 103-112.	1.6	107
12	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, 21-28.	1.0	104
13	Diagnostic accuracy of intracoronary optical coherence tomography-derived fractional flow reserve for assessment of coronary stenosis severity. EuroIntervention, 2019, 15, 189-197.	1.4	85
14	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, 2061-2067.	6.3	68
15	Spontaneous Coronary Artery Dissection. Circulation: Cardiovascular Interventions, 2011, 4, e5-7.	1.4	59
16	Calcified Plaque: Measurement of Area at Thin-Section Flat-Panel CT and 64-Section Multidetector CT and Comparison with Histopathologic Findings. Radiology, 2008, 249, 301-306.	3.6	56
17	Effects of Alirocumab on Cardiovascular Events After Coronary Bypass Surgery. Journal of the American College of Cardiology, 2019, 74, 1177-1186.	1.2	49
18	Cardiac optical coherence tomography. Heart, 2008, 94, 1200-1210.	1.2	47

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19	Effects of alirocumab on types of myocardial infarction: insights from the ODYSSEY OUTCOMES trial. European Heart Journal, 2019, 40, 2801-2809.	1.0	45
20	In-vivo comparison of coronary plaque characteristics using optical coherence tomography in women vs. men with acute coronary syndrome. Coronary Artery Disease, 2007, 18, 423-427.	0.3	40
21	Association of statin therapy with reduced coronary plaque rupture: an optical coherence tomography study. Coronary Artery Disease, 2008, 19, 237-242.	0.3	40
22	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, 435-443.	0.2	38
23	Radiation Exposure of Operators Performing Transesophageal Echocardiography During Percutaneous Structural Cardiac Interventions. Journal of the American College of Cardiology, 2018, 71, 1246-1254.	1.2	38
24	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.	1.6	37
25	Elevated B-type natriuretic peptide despite normal left ventricular function on rest and exercise stress echocardiography in mitral regurgitation. European Heart Journal, 2008, 29, 363-370.	1.0	35
26	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.	1.6	34
27	Optical coherence tomography-based patient-specific coronary artery reconstruction and fluidâ€“structure interaction simulation. Biomechanics and Modeling in Mechanobiology, 2020, 19, 7-20.	1.4	32
28	Impact of optimising fluoroscopic implant angles on paravalvular regurgitation in transcatheter aortic valve replacements â€“ utility of three-dimensional rotational angiography. EuroIntervention, 2012, 8, 538-545.	1.4	32
29	Pilot Study to Assess the Influence of Î²-Blockade on Mitral Regurgitant Volume and Left Ventricular Work in Degenerative Mitral Valve Disease. Circulation, 2008, 118, 1041-1046.	1.6	26
30	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, 155-160.	1.1	25
31	Spontaneous Recanalization of a Coronary Artery After Thrombotic Occlusion. Journal of the American College of Cardiology, 2010, 55, 1274.	1.2	25
32	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, 1111-1122.	0.7	24
33	Takotsubo cardiomyopathy: an Australian single centre experience with medium term follow up. Internal Medicine Journal, 2012, 42, 35-42.	0.5	23
34	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.	1.1	19
35	The longâ€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, 270-277.	0.7	19
36	Factors Contributing to Acute Kidney Injury and the Impact on Mortality in Patients Undergoing Transcatheter Aortic Valve Replacement. Heart Lung and Circulation, 2016, 25, 282-289.	0.2	19

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37	Comparison of Atrial and Brain Natriuretic Peptide for the Assessment of Mitral Stenosis. Heart Lung and Circulation, 2011, 20, 517-524.	0.2	17
38	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.	0.9	17
39	Carotid Bifurcation With Tandem Stenosisâ€"A Patient-Specific Case Study Combined in vivo Imaging, in vitro Histology and in silico Simulation. Frontiers in Bioengineering and Biotechnology, 2019, 7, 349.	2.0	13
40	Transcatheter valve-in-valve replacement of degenerated bioprosthetic aortic valves: A single Australian Centre experience. Cardiovascular Revascularization Medicine, 2014, 15, 388-392.	0.3	11
41	Optical coherence tomography: fundamentals and clinical utility. Cardiovascular Diagnosis and Therapy, 2020, 10, 1389-1414.	0.7	11
42	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.	0.5	8
43	Comparison of surgical repair and percutaneous stent implantation for native coarctation of the aorta in patients â‰¥15years of age. International Journal of Cardiology, 2016, 203, 629-631.	0.8	7
44	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, 183-186.	0.3	6
45	Intracardiac Echocardiography Guided Transeptal Catheter Injection of Microspheres for Assessment of Cerebral Microcirculation in Experimental Models. Cardiology Research and Practice, 2013, 2013, 1-8.	0.5	6
46	Immediate Closure of Paravalvular Leak After Transcatheter Aortic Valve Implantation. Heart Lung and Circulation, 2014, 23, e251-e253.	0.2	5
47	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.	0.5	5
48	Conservative Management and Resolution of a Contained Rupture of Aortic Annulus Following Transcatheter Valve Replacement. JACC: Cardiovascular Interventions, 2013, 6, e33-e34.	1.1	4
49	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, 1537-1545.	0.7	4
50	Cerebral Microcirculation during Experimental Normovolaemic Anemia. Frontiers in Neurology, 2016, 7, 6.	1.1	4
51	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.	1.4	4
52	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, 11-15.	0.3	4
53	Clinical Outcomes in Pre-Hospital Activation and Direct Cardiac Catheterisation Laboratory Transfer of STEMI for Primary PCI. Heart Lung and Circulation, 2022, 31, 974-984.	0.2	4
54	Incidental finding of a ruptured thin-cap fibroatheroma by optical coherence tomography. European Heart Journal, 2006, 27, 2393-2393.	1.0	3

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55	Cerebral microcirculation during mild head injury after a contusion and acceleration experimental model in sheep. Brain Injury, 2016, 30, 1542-1551.	0.6	3
56	Percutaneous Transvenous Mitral Valve-in-Valve Implantation Using Commercially Available Transcatheter Valve. First Australian Experience. Heart Lung and Circulation, 2018, 27, e42-e45.	0.2	3
57	First Australian Transapical Mitral Valve-in-Valve Implant for a Failed Mitral Bioprosthesis: How To Do It. Heart Lung and Circulation, 2012, 21, 737-739.	0.2	2
58	A Rare Mechanism of Very Late Bare Metal Stent Thrombosisâ€"Role of Optical Coherence Imaging in Its Evaluation and Management. Heart Lung and Circulation, 2014, 23, 190-192.	0.2	2
59	The effect of Xâ€ray beam distortion on the Edwards Sapien <scp>XT</scp>^{â„¢} transâ€catheter aortic valve replacement prosthesis. Journal of Medical Radiation Sciences, 2015, 62, 239-245.	0.8	2
60	Enlarged Right Atrium. New England Journal of Medicine, 2016, 375, e7.	13.9	2
61	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, 342-351.	0.2	2
62	Case Report: Evaluating Biomechanical Risk Factors in Carotid Stenosis by Patient-Specific Fluid-Structural Interaction Biomechanical Analysis. Cerebrovascular Diseases, 2021, 50, 262-269.	0.8	2
63	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.	0.8	2
64	Practising what is preached: the MINAP study. Heart, 2004, 90, 969-971.	1.2	1
65	Unconventional technique to catheterize an anomalous right coronary artery system. International Journal of Cardiology, 2012, 159, e43-e44.	0.8	1
66	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, 226-228.	0.5	1
67	Normal functioning of a constrained CoreValveÂ® with DynaCT imaging demonstrating incomplete stent frame expansion. International Journal of Cardiology, 2013, 163, e9-e10.	0.8	1
68	Shirtfront Myocardial Infarction: Traumatic Coronary Plaque Disruption Secondary to a Football Tackle. Heart Lung and Circulation, 2017, 26, e90-e92.	0.2	1
69	FIRST REPORT OF CLINICAL OUTCOMES WITH THE NEXT-GENERATION LOTUS EDGE VALVE SYSTEM: RESULTS FROM THE LOTUS EDGE FEASIBILITY TRIAL. Journal of the American College of Cardiology, 2017, 69, 1285.	1.2	1
70	The effects of normovolemic anemia and blood transfusion on cerebral microcirculation after severe head injury. Intensive Care Medicine Experimental, 2018, 6, 46.	0.9	1
71	Thrombocytopenia post Transcatheter Aortic Valve Insertion: Clinical and Prognostic Significance. Structural Heart, 2019, 3, 150-154.	0.2	1
72	277. Journal of Heart and Lung Transplantation, 2006, 25, S140.	0.3	0

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73	Left Atrial Appendage Closure for Non-valvular Atrial Fibrillation. Heart Lung and Circulation, 2012, 21, 247-248.	0.2	0
74	Optical Coherence Tomography of Late Acquired Bare Metal Stent Malapposition: Bare Metal Stent â€œDiverticulosisâ€. Heart Lung and Circulation, 2013, 22, 688-689.	0.2	0
75	Are the findings of optical coherence tomography sufficient for the evaluation of the safety and efficacy of the next generation of drug eluting stents?. International Journal of Cardiology, 2015, 179, 127-128.	0.8	0
76	Quantitative analysis of the side-branch orifice after bifurcation stenting using en-face processing of OCT images. Coronary Artery Disease, 2016, 27, 19-28.	0.3	0
77	Cerebral Microcirculation and Histological Mapping After Severe Head Injury: A Contusion and Acceleration Experimental Model. Frontiers in Neurology, 2018, 9, 277.	1.1	0
78	Impact of Patient BMI on Patient and Operator Radiation Dose During Percutaneous Coronary Intervention. Heart Lung and Circulation, 2022, 31, 372-382.	0.2	0
79	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, bcr-2016-218603.	0.2	0