

Ravinay Bhindi

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

4,462
citations

186265
28
h-index

110387
64
g-index

114
all docs

114
docs citations

114
times ranked

5346
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of the Instantaneous Wave-free Ratio or Fractional Flow Reserve in PCI. New England Journal of Medicine, 2017, 376, 1824-1834.	27.0	742
2	Randomized Trial of Primary PCI with or without Routine Manual Thrombectomy. New England Journal of Medicine, 2015, 372, 1389-1398.	27.0	536
3	Clinical use of intracoronary imaging. Part 1: guidance and optimization of coronary interventions. An expert consensus document of the European Association of Percutaneous Cardiovascular Interventions. European Heart Journal, 2018, 39, 3281-3300.	2.2	431
4	Guiding Principles for Chronic Total Occlusion Percutaneous Coronary Intervention. Circulation, 2019, 140, 420-433.	1.6	263
5	Colchicine in Patients With Acute Coronary Syndrome. Circulation, 2020, 142, 1890-1900.	1.6	197
6	Outcomes after thrombus aspiration for ST elevation myocardial infarction: 1-year follow-up of the prospective randomised TOTAL trial. Lancet, The, 2016, 387, 127-135.	13.7	187
7	The validity and reliability of consumer-grade activity trackers in older, community-dwelling adults: A systematic review. Maturitas, 2018, 112, 85-93.	2.4	119
8	Increasing proportion of ST elevation myocardial infarction patients with coronary atherosclerosis poorly explained by standard modifiable risk factors. European Journal of Preventive Cardiology, 2017, 24, 1824-1830.	1.8	115
9	Brothers in Arms. American Journal of Pathology, 2007, 171, 1079-1088.	3.8	113
10	Safety of the Deferral of Coronary Revascularization on the Basis of Instantaneous Wave-Free Ratio and Fractional Flow Reserve Measurements in Stable Coronary Artery Disease and Acute Coronary Syndromes. JACC: Cardiovascular Interventions, 2018, 11, 1437-1449.	2.9	111
11	Global Chronic Total Occlusion Crossing Algorithm. Journal of the American College of Cardiology, 2021, 78, 840-853.	2.8	111
12	Coronary Hemodynamics in Patients With Severe Aortic Stenosis and Coronary Artery Disease Undergoing Transcatheter Aortic Valve Replacement. JACC: Cardiovascular Interventions, 2018, 11, 2019-2031.	2.9	88
13	Yin Yang-1 Inhibits Vascular Smooth Muscle Cell Growth and Intimal Thickening by Repressing p21 WAF1/Cip1 Transcription and p21 WAF1/Cip1 -Cdk4-Cyclin D1 Assembly. Circulation Research, 2007, 101, 146-155.	4.5	67
14	Design and rationale of the TOTAL trial: A randomized trial of routine aspiration Thrombectomy with percutaneous coronary intervention (PCI) versus PCI Alone in patients with ST-elevation myocardial infarction undergoing primary PCI. American Heart Journal, 2014, 167, 315-321.e1.	2.7	66
15	Culprit lesion thrombus burden after manual thrombectomy or percutaneous coronary intervention-alone in ST-segment elevation myocardial infarction: the optical coherence tomography sub-study of the TOTAL (Thrombectomy versus PCI Alone) trial. European Heart Journal, 2015, 36, 1892-1900.	2.2	60
16	Cardiovascular disease and COVID-19: Australian and New Zealand consensus statement. Medical Journal of Australia, 2020, 213, 182-187.	1.7	54
17	Rat models of myocardial infarction. Thrombosis and Haemostasis, 2006, 96, 602-610.	3.4	51
18	Culprit plaque morphology in STEMI – an optical coherence tomography study: insights from the TOTAL-OCT substudy. EuroIntervention, 2016, 12, 716-723.	3.2	40

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19	Clinical utility of optical coherence tomography (OCT) in the optimisation of Absorb bioresorbable vascular scaffold deployment during percutaneous coronary intervention. <i>EuroIntervention</i> , 2015, 10, 1154-1159.	3.2	38
20	c-Jun DNazymes Inhibit Myocardial Inflammation, ROS Generation, Infarct Size, and Improve Cardiac Function After Ischemia-Reperfusion Injury. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1836-1842.	2.4	37
21	Optical Coherence Tomographyâ€“Guided Percutaneous Coronary Intervention in ST-Segmentâ€“Elevation Myocardial Infarction. <i>Circulation: Cardiovascular Interventions</i> , 2016, 9, e003414.	3.9	37
22	Assessment, treatment, and prognostic implications of CAD in patients undergoing TAVI. <i>Nature Reviews Cardiology</i> , 2016, 13, 276-285.	13.7	37
23	Circulating mediators of remote ischemic preconditioning: search for the missing link between non-lethal ischemia and cardioprotection. <i>Oncotarget</i> , 2019, 10, 216-244.	1.8	37
24	Clinical Events After Deferral of LADâ€“Revascularization Following Physiologicalâ€“Coronaryâ€“Assessment. <i>Journal of the American College of Cardiology</i> , 2019, 73, 444-453.	2.8	35
25	Regular Cocaine Use Is Associated with Increased Systolic Blood Pressure, Aortic Stiffness and Left Ventricular Mass in Young Otherwise Healthy Individuals. <i>PLoS ONE</i> , 2014, 9, e89710.	2.5	35
26	The NRF2 activator DH404 attenuates adverse ventricular remodeling post-myocardial infarction by modifying redox signalling. <i>Free Radical Biology and Medicine</i> , 2017, 108, 585-594.	2.9	32
27	Feasibility and repeatability of optical coherence tomography measurements of pre-stent thrombus burden in patients with STEMI treated with primary PCI. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 96-107.	1.2	31
28	Surgery Insight: percutaneous treatment of prosthetic paravalvular leaks. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2008, 5, 140-147.	3.3	28
29	Intracoronary delivery of DNazymes targeting human EGRâ€“1 reduces infarct size following myocardial ischaemia reperfusion. <i>Journal of Pathology</i> , 2012, 227, 157-164.	4.5	28
30	Remote Ischemic Preconditioning Induces Cardioprotective Autophagy and Signals through the IL-6-Dependent JAK-STAT Pathway. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1692.	4.1	27
31	Text Messages to Improve Medication Adherence and Secondary Prevention After Acute Coronary Syndrome: The TEXTMEDS Randomized Clinical Trial. <i>Circulation</i> , 2022, 145, 1443-1455.	1.6	27
32	Selective Inhibition of the Master Regulator Transcription Factor Egrâ€“1 With Catalytic Oligonucleotides Reduces Myocardial Injury and Improves Left Ventricular Systolic Function in a Preclinical Model of Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2013, 2, e000023.	3.7	26
33	Sex Differences in Instantaneous Wave-Free Ratio or Fractional Flow Reserveâ€“Guided Revascularization Strategy. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 2035-2046.	2.9	26
34	Comparison of Major Adverse Cardiac Events Between Instantaneous Wave-Free Ratio and Fractional Flow Reserveâ€“Guided Strategy in Patients With or Without Type 2 Diabetes. <i>JAMA Cardiology</i> , 2019, 4, 857.	6.1	25
35	The Presence of a CTO in a Nonâ€“Infarct-Related Artery During a STEMI Treated With Contemporary Primary PCI Is Associated With Increased Rates of Earlyâ€“and Late Cardiovascular Morbidity and Mortality. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 709-711.	2.9	23
36	Recruitment and maturation of the coronary collateral circulation: Current understanding and perspectives in arteriogenesis. <i>Microvascular Research</i> , 2020, 132, 104058.	2.5	23

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37	“Summer Shift”: A Potential Effect of Sunshine on the Time Onset of ST-Elevation Acute Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2018, 7, .	3.7	20
38	Internet search volume for chest pain during the COVID-19 pandemic. <i>American Heart Journal</i> , 2021, 231, 157-159.	2.7	20
39	Rat models of myocardial infarction. Pathogenetic insights and clinical relevance. <i>Thrombosis and Haemostasis</i> , 2006, 96, 602-10.	3.4	20
40	TEXT messages to improve MEDication adherence and Secondary prevention (TEXTMEDS) after acute coronary syndrome: a randomised clinical trial protocol. <i>BMJ Open</i> , 2018, 8, e019463.	1.9	19
41	Cardiovascular Disease in the Post-COVID-19 Era “the Impending Tsunami?”. <i>Heart Lung and Circulation</i> , 2020, 29, 809-811.	0.4	19
42	Cardiac magnetic resonance imaging of rapid VCAM-1 up-regulation in myocardial ischemia–reperfusion injury. <i>European Biophysics Journal</i> , 2013, 42, 61-70.	2.2	17
43	The effect of coronary artery plaque composition, morphology and burden on Absorb bioresorbable vascular scaffold expansion and eccentricity “A detailed analysis with optical coherence tomography. <i>International Journal of Cardiology</i> , 2015, 184, 230-236.	1.7	16
44	Functional capacity and health-related quality of life outcomes post transcatheter aortic valve replacement: a systematic review and meta-analysis. <i>Age and Ageing</i> , 2018, 47, 478-482.	1.6	16
45	Calcium Modification Techniques in Complex Percutaneous Coronary Intervention. <i>Circulation: Cardiovascular Interventions</i> , 2021, 14, e009870.	3.9	16
46	Colchicine in Patients With Acute Coronary Syndrome: Two-Year Follow-Up of the Australian COPS Randomized Clinical Trial. <i>Circulation</i> , 2021, 144, 1584-1586.	1.6	16
47	Immunoglobulin E Sensitization to Mammalian Oligosaccharide Galactose-1,3 (Î±-Gal) Is Associated With Noncalcified Plaque, Obstructive Coronary Artery Disease, and ST-Segment “Elevated Myocardial Infarction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, 352-361.	2.4	16
48	Spontaneous Coronary Artery Dissection Treated With Bioresorbable Vascular Scaffolds Guided by Optical Coherence Tomography. <i>Canadian Journal of Cardiology</i> , 2014, 30, 1461.e1-1461.e3.	1.7	15
49	Predictors and Prognostic Implications of Well-Matured Coronary Collateral Circulation in Patients with a Chronic Total Occlusion (CTO). <i>International Heart Journal</i> , 2020, 61, 223-230.	1.0	15
50	Recent developments in drug-eluting stents. <i>Journal of Molecular Medicine</i> , 2011, 89, 545-553.	3.9	14
51	Absence of a “smoker’s paradox”™ in field triaged ST-elevation myocardial infarction patients undergoing percutaneous coronary intervention. <i>Cardiovascular Revascularization Medicine</i> , 2013, 14, 213-217.	0.8	14
52	Effect of Recruitment of Acute Coronary Collaterals on In-Hospital Mortality and on Left Ventricular Function in Patients Presenting With ST Elevation Myocardial Infarction. <i>American Journal of Cardiology</i> , 2020, 125, 1455-1460.	1.6	14
53	No-reflow phenomenon in ST-segment elevation myocardial infarction: still the Achilles’™ heel of the interventionalist. <i>Future Cardiology</i> , 2021, 17, 383-397.	1.2	14
54	Rapidly Evolving Giant Coronary Aneurysm. <i>Journal of the American College of Cardiology</i> , 2009, 53, 372.	2.8	13

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55	Inhibition of vein graft stenosis with a c-jun targeting DNAzyme in a cationic liposomal formulation containing 1,2-dioleoyl-3-trimethylammonium propane (DOTAP)/1,2-dioleoyl-sn-glycero-3-phosphoethanolamine (DOPE). International Journal of Cardiology, 2013, 168, 3659-3664.	1.7	13
56	Surgical Aortic Valve Replacement in Very Elderly Patients Aged 80 Years and Over: Evaluation of Early Clinical Outcomes. Heart Lung and Circulation, 2014, 23, 242-248.	0.4	13
57	Indications for Percutaneous Coronary Intervention (PCI) in Chronic Total Occlusion (CTO): Have We Reached a DECISION or Do We Continue to EXPLORE After EURO-CTO?. Heart Lung and Circulation, 2019, 28, 1484-1489.	0.4	12
58	Applicability and Interpretation of Coronary Physiology in the Setting of a Chronic Total Occlusion. Circulation: Cardiovascular Interventions, 2019, 12, e007813.	3.9	11
59	Novel device-based therapies to improve outcome in ST-segment elevation myocardial infarction. European Heart Journal: Acute Cardiovascular Care, 2021, 10, 687-697.	1.0	11
60	Distal protection in cardiovascular medicine: Current status. American Heart Journal, 2006, 152, 207-216.	2.7	10
61	Transcatheter aortic valve implantation: current trends and future directions. Future Cardiology, 2016, 12, 69-85.	1.2	10
62	Spontaneous coronary collateral recruitment in patients with recurrent ST elevation myocardial infarction (STEMI). Heart and Vessels, 2020, 35, 291-296.	1.2	10
63	Cardiac Complications in Patients Hospitalised With COVID-19 in Australia. Heart Lung and Circulation, 2021, 30, 1834-1840.	0.4	10
64	Change in the distal vessel luminal diameter following chronic total occlusion revascularization. Cardiovascular Intervention and Therapeutics, 2018, 33, 345-349.	2.3	10
65	Cocaine-induced epicardial coronary artery thrombosis resulting in extensive myocardial injury assessed by cardiac magnetic resonance imaging. European Heart Journal, 2010, 31, 2446-2446.	2.2	9
66	Cardiac Magnetic Resonance Imaging for the Interventional Cardiologist. JACC: Cardiovascular Interventions, 2011, 4, 137-148.	2.9	9
67	Routine aspiration thrombectomy improves the diagnosis and management of embolic myocardial infarction. Catheterization and Cardiovascular Interventions, 2016, 87, 642-647.	1.7	9
68	Acute worsening in migraine symptoms following PFO closure: A matter of fact?. International Journal of Cardiology, 2010, 144, 299-300.	1.7	8
69	Prognostic impact of collaterals in patients with a coronary chronic total occlusion: A meta-analysis of over 3,000 patients. Catheterization and Cardiovascular Interventions, 2021, 97, E771-E777.	1.7	8
70	Fibroblast growth factor 2 and the transcription factor Egr-1 localise to endothelial cell microvascular channels in human coronary artery occlusion. Thrombosis and Haemostasis, 2005, 93, 172-174.	3.4	7
71	Percutaneous Plugging of an Ascending Aortic Pseudoaneurysm. JACC: Cardiovascular Interventions, 2008, 1, 327-328.	2.9	7
72	Automated Quantification of Myocardial Salvage in a Rat Model of Ischemia-Reperfusion Injury Using 3D High-Resolution Magnetic Resonance Imaging (MRI). Journal of the American Heart Association, 2014, 3, .	3.7	7

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73	Animal chronic total occlusion models: A review of the current literature and future goals. <i>Thrombosis Research</i> , 2019, 177, 83-90.	1.7	7
74	The indications and utility of adjunctive imaging modalities for chronic total occlusion (CTO) intervention. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 2597-2608.	2.1	7
75	Prognostic implications of the rapid recruitment of coronary collaterals during ST elevation myocardial infarction (STEMI): a meta-analysis of over 14,000 patients. <i>Journal of Thrombosis and Thrombolysis</i> , 2021, 51, 1005-1016.	2.1	7
76	Amiodarone in the aged. <i>Australian Prescriber</i> , 2019, 42, 158.	1.0	5
77	The Fifth Domain of Beta 2 Glycoprotein I Protects from Natural IgM Mediated Cardiac Ischaemia Reperfusion Injury. <i>PLoS ONE</i> , 2016, 11, e0152681.	2.5	4
78	Contemporary Management of ST-Elevation Myocardial Infarction. <i>Heart Lung and Circulation</i> , 2017, 26, 114-121.	0.4	4
79	Numerical study to identify the effect of fluid presence on the mechanical behavior of the stents during coronary stent expansion. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2020, 23, 744-754.	1.6	4
80	Association of hypertension with mortality in patients hospitalised with COVID-19. <i>Open Heart</i> , 2021, 8, e001853.	2.3	4
81	Prognostic Role of Residual Thrombus Burden Following Thrombectomy: Insights From the TOTAL Trial. <i>Circulation: Cardiovascular Interventions</i> , 2022, 15, e011336.	3.9	4
82	Optical Coherence Tomography in the Setting of an Acute Anterior Myocardial Infarction. <i>Circulation</i> , 2007, 116, e366-7.	1.6	3
83	Rebound increase in migraines following PFO closure. <i>Catheterization and Cardiovascular Interventions</i> , 2008, 71, 719-719.	1.7	3
84	Treatment of a left anterior descending artery chronic total occlusion using a bio-absorbable scaffold, utilising optical coherence tomography. <i>International Journal of Cardiology</i> , 2013, 167, e123-e126.	1.7	3
85	Not So Fast. <i>Circulation</i> , 2017, 135, 1574-1576.	1.6	3
86	In vivo morphologic comparison of saphenous vein grafts and native coronary arteries following non-ST elevation myocardial infarction. <i>Cardiovascular Revascularization Medicine</i> , 2019, 20, 16-21.	0.8	3
87	Relation of Obstructive Sleep Apnea in Patients With a Coronary Chronic Total Occlusion to Coronary Collaterals and Mortality. <i>American Journal of Cardiology</i> , 2021, 148, 30-35.	1.6	3
88	Influence of Obstructive Sleep Apnoea on Outcomes in Patients With ST Elevation Myocardial Infarction (STEMI): the Role of the Coronary Collateral Circulation. <i>Heart Lung and Circulation</i> , 2021, 30, 1883-1890.	0.4	3
89	The incidence of cardiac complications in patients hospitalised with COVID-19 in Australia: the AUS-COVID study. <i>Medical Journal of Australia</i> , 2021, 215, 279-279.	1.7	3
90	Fibroblast growth factor 2 and the transcription factor Egr-1 localise to endothelial cell microvascular channels in human coronary artery occlusion. <i>Thrombosis and Haemostasis</i> , 2005, 93, 172-4.	3.4	3

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91	Stent-graft Repair of Coronary Vein Graft Aneurysm. Journal of Vascular and Interventional Radiology, 2009, 20, 649-651.	0.5	2
92	Wire bias in coronary measurement using optical coherence tomography. Cardiovascular Intervention and Therapeutics, 2018, 33, 217-223.	2.3	2
93	Cardiogenic Shock Due to Late Chimney Stent Failure Following Valve-in-Valve Transcatheter Aortic Valve Replacement. JACC: Case Reports, 2019, 1, 313-318.	0.6	2
94	Both surgical and percutaneous revascularization improve prognosis in patients with a coronary chronic total occlusion (CTO) irrespective of collateral robustness. Heart and Vessels, 2021, 36, 1653-1660.	1.2	2
95	Sublingual Nitrates for Patients as a Default in the Post-ACS Discharge Pack: Is It Time for a Rethink?. Circulation, 2022, 145, 791-792.	1.6	2
96	Percutaneous Repair of an Aortic Paraprosthesis Leak. JACC: Cardiovascular Interventions, 2008, 1, 587-589.	2.9	1
97	Cardiovascular magnetic resonance, mitral regurgitation and outcomes: the importance of accurate assessment in an era of increasing intervention. Journal of Thoracic Disease, 2016, 8, E1053-E1056.	1.4	1
98	Optical coherence tomography: not quite ready. Lancet, The, 2016, 388, 2569-2570.	13.7	1
99	Festschrift for Professor Stephen Hunyor – Celebrating his Clinical and Scientific Contribution and the Legacy he has Left at Royal North Shore Hospital, and the Broader Cardiovascular Research Community. Heart Lung and Circulation, 2017, 26, 6-9.	0.4	1
100	Influence of Obstructive Sleep Apnoea Severity on Coronary Collateral Recruitment During Coronary Occlusion. Lung, 2021, 199, 409-416.	3.3	1
101	Impact of coronary artery bypass grafting (CABG) on coronary collaterals in patients with a chronic total occlusion (CTO). International Journal of Cardiovascular Imaging, 2021, 37, 3373-3380.	1.5	1
102	Angiographic predictors of coronary hemodynamics. Future Cardiology, 2022, 18, 299-308.	1.2	1
103	Unstable single coronary artery. European Heart Journal, 2007, 28, 1048-1048.	2.2	0
104	Mammoth interatrial septal aneurysm in the ICE age. Cardiovascular Ultrasound, 2007, 5, 30.	1.6	0
105	Fabry disease deposition mimicking a cardiac tumour and precipitating heart block. European Heart Journal Cardiovascular Imaging, 2014, 15, 869-869.	1.2	0
106	Contemporary assessment of coronary hemodynamics in the catheter laboratory. Future Cardiology, 2016, 12, 601-604.	1.2	0
107	Aortic Valve Replacement: The Era of Transcatheter Therapies. Heart Lung and Circulation, 2016, 25, 635-636.	0.4	0
108	Left main or multivessel coronary revascularization: applying both anatomy and physiology to individualize care. Future Cardiology, 2017, 13, 317-322.	1.2	0

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109	Underusage of Oral Anticoagulation in Atrial Fibrillation: Can We Prevent More Strokes?. Heart Lung and Circulation, 2021, 30, 1107-1109.	0.4	0
110	Gastric volvulus mimicking ST-segment elevation myocardial infarction. BMJ Case Reports, 2021, 14, e245946.	0.5	0
111	Utilizing coronary physiology to guide acute coronary syndrome management: are we there yet?. Future Cardiology, 2019, 15, 323-327.	1.2	0
112	Safety and Feasibility of Rotational Atherectomy in Severe Aortic Stenosis. Heart Lung and Circulation, 2022, , .	0.4	0
113	Challenging closure of a patent foramen ovale via a superior approach. Journal of Invasive Cardiology, 2008, 20, E18.	0.4	0