

Trevor Simard

List of Publications by Year in descending order

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91
papers

2,387
citations

279701

23
h-index

233338

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all docs

93
docs citations

93
times ranked

3414
citing authors

#	ARTICLE	IF	CITATIONS
1	Left Ventricular Unloading During Extracorporeal Membrane Oxygenation in Patients With Cardiogenic Shock. <i>Journal of the American College of Cardiology</i> , 2019, 73, 654-662.	1.2	276
2	Milrinone as Compared with Dobutamine in the Treatment of Cardiogenic Shock. <i>New England Journal of Medicine</i> , 2021, 385, 516-525.	13.9	129
3	The Evolution of Coronary Stents: A Brief Review. <i>Canadian Journal of Cardiology</i> , 2014, 30, 35-45.	0.8	125
4	Natural History and Management of Aortocoronary Saphenous Vein Graft Aneurysms. <i>Circulation</i> , 2012, 126, 2248-2256.	1.6	122
5	Methodological Rigor in Preclinical Cardiovascular Studies. <i>Circulation Research</i> , 2017, 120, 1916-1926.	2.0	118
6	Extracellular Release of the Atheroprotective Heat Shock Protein 27 Is Mediated by Estrogen and Competitively Inhibits acLDL Binding to Scavenger Receptor-A. <i>Circulation Research</i> , 2008, 103, 133-141.	2.0	111
7	Predictors of Device-Related Thrombus Following Percutaneous Left Atrial Appendage Occlusion. <i>Journal of the American College of Cardiology</i> , 2021, 78, 297-313.	1.2	106
8	Transcatheter aortic valve implantation in patients with bicuspid aortic valve: A patient level multi-center analysis. <i>International Journal of Cardiology</i> , 2015, 189, 282-288.	0.8	82
9	Transradial Versus Transfemoral Artery Approach for Coronary Angiography and Percutaneous Coronary Intervention in the Extremely Obese. <i>JACC: Cardiovascular Interventions</i> , 2012, 5, 819-826.	1.1	74
10	Heat Shock Protein 27 Protects Against Atherogenesis via an Estrogen-Dependent Mechanism. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1751-1756.	1.1	66
11	Transcatheter Mitral Valve Repair in Cardiogenic Shock and Mitral Regurgitation. <i>JACC: Cardiovascular Interventions</i> , 2021, 14, 1-11.	1.1	59
12	Serum Heat Shock Protein 27 Levels Represent a Potential Therapeutic Target for Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2013, 62, 1446-1454.	1.2	58
13	Sex Bias Is Increasingly Prevalent in Preclinical Cardiovascular Research: Implications for Translational Medicine and Health Equity for Women. <i>Circulation</i> , 2017, 135, 625-626.	1.6	54
14	Clinical Impact of Residual Leaks Following Left Atrial Appendage Occlusion. <i>JACC: Clinical Electrophysiology</i> , 2022, 8, 766-778.	1.3	54
15	Comparative Accuracy of Focused Cardiac Ultrasonography and Clinical Examination for Left Ventricular Dysfunction and Valvular Heart Disease. <i>Annals of Internal Medicine</i> , 2019, 171, 264.	2.0	41
16	Role of plasminogen activator inhibitor-1 in coronary pathophysiology. <i>Thrombosis Research</i> , 2018, 164, 54-62.	0.8	39
17	Optimal mean arterial pressure in comatose survivors of out-of-hospital cardiac arrest: An analysis of area below blood pressure thresholds. <i>Resuscitation</i> , 2018, 128, 175-180.	1.3	39
18	New-onset atrial fibrillation and associated outcomes and resource use among critically ill adults—a multicenter retrospective cohort study. <i>Critical Care</i> , 2020, 24, 15.	2.5	36

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19	The Effect of Statins on Circulating Endothelial Progenitor Cells in Humans. <i>Journal of Cardiovascular Pharmacology</i> , 2013, 62, 491-496.	0.8	35
20	Percutaneous Atriotomy for Left Atrial “to” Coronary Sinus Shunting in Asymptomatic Heart Failure. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 1236-1247.	1.1	33
21	Pre-Procedural Atorvastatin Mobilizes Endothelial Progenitor Cells: Clues to the Salutary Effects of Statins on Healing of Stented Human Arteries. <i>PLoS ONE</i> , 2011, 6, e16413.	1.1	33
22	Evaluation of Plasma Adenosine as a Marker of Cardiovascular Risk: Analytical and Biological Considerations. <i>Journal of the American Heart Association</i> , 2019, 8, e012228.	1.6	27
23	Progenitor Cells for Arterial Repair: Incremental Advancements towards Therapeutic Reality. <i>Stem Cells International</i> , 2017, 2017, 1-14.	1.2	26
24	A randomised study for optimising crossover from ticagrelor to clopidogrel in patients with acute coronary syndrome. <i>Thrombosis and Haemostasis</i> , 2017, 117, 303-310.	1.8	25
25	Heat shock protein 27 attenuates neointima formation and accelerates reendothelialization after arterial injury and stent implantation: importance of vascular endothelial growth factor up-regulation. <i>FASEB Journal</i> , 2014, 28, 594-602.	0.2	24
26	Performance of transcatheter aortic valve implantation in patients with bicuspid aortic valve: Systematic review. <i>International Journal of Cardiology</i> , 2014, 176, 562-564.	0.8	23
27	A Shifting Paradigm. <i>Chest</i> , 2020, 158, 2107-2118.	0.4	22
28	The association between mean arterial pressure and outcomes in patients with cardiogenic shock: insights from the DOREMI trial. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2021, 10, 712-720.	0.4	21
29	Efficacy of milrinone and dobutamine in low cardiac output states: Systematic review and meta-analysis. <i>Clinical and Investigative Medicine</i> , 2019, 42, E26-32.	0.3	20
30	Impact of Center Experience on Patient Radiation Exposure During Transradial Coronary Angiography and Percutaneous Intervention: A Patient-Level, International, Collaborative, Multi-Center Analysis. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	19
31	Attenuation of Atherogenesis via the Anti-inflammatory Effects of the Selective Estrogen Receptor Beta Modulator 8Î²-VE2. <i>Journal of Cardiovascular Pharmacology</i> , 2011, 58, 399-405.	0.8	17
32	Transradial Versus Transfemoral Access for Percutaneous Coronary Intervention in ST-Segment Elevation Myocardial Infarction. <i>Circulation: Cardiovascular Interventions</i> , 2021, 14, e009994.	1.4	17
33	Predictors of Use and Outcomes of Mechanical Valve Replacement in the United States (2008-2017). <i>Journal of the American Heart Association</i> , 2021, 10, e019929.	1.6	17
34	Association Between Self-Reported Potentially Modifiable Cardiac Risk Factors and Perceived Need to Improve Physical Health: A Population-Based Study. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	16
35	Clinical performance of Rb-82 myocardial perfusion PET and Tc-99m-based SPECT in patients with extreme obesity. <i>Journal of Nuclear Cardiology</i> , 2019, 26, 275-283.	1.4	16
36	Anatomic Approach to Transseptal Puncture for Structural Heart Interventions. <i>JACC: Cardiovascular Interventions</i> , 2021, 14, 1509-1522.	1.1	16

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37	A Comparative Pharmacodynamic Study of Ticagrelor versus Clopidogrel and Ticagrelor in Patients Undergoing Primary Percutaneous Coronary Intervention: The CAPITAL RELOAD Study. PLoS ONE, 2014, 9, e92078.	1.1	15
38	Impact of baseline beta-blocker use on inotrope response and clinical outcomes in cardiogenic shock: a subgroup analysis of the DOREMI trial. Critical Care, 2021, 25, 289.	2.5	15
39	Implications of Myocardial Infarction on Management and Outcome in Cardiogenic Shock. Journal of the American Heart Association, 2021, 10, e021570.	1.6	15
40	Lactate Clearance as a Surrogate for Mortality in Cardiogenic Shock: Insights From the DOREMI Trial. Journal of the American Heart Association, 2022, 11, e023322.	1.6	15
41	Circulating endothelial progenitor cells in HIV infection: A systematic review. Trends in Cardiovascular Medicine, 2013, 23, 192-200.	2.3	14
42	Transcatheter Aortic Valve Implantation (TAVI) for Native Aortic Valve Regurgitation – A Systematic Review. Circulation Journal, 2018, 82, 895-902.	0.7	14
43	Hyperglycaemia in comatose survivors of out-of-hospital cardiac arrest. European Heart Journal: Acute Cardiovascular Care, 2018, 7, 442-449.	0.4	14
44	Female Authorship in Preclinical Cardiovascular Research. JACC Basic To Translational Science, 2019, 4, 471-477.	1.9	14
45	Journal Initiatives to Enhance Preclinical Research: Analyses of Stroke, Nature Medicine, Science Translational Medicine. Stroke, 2020, 51, 291-299.	1.0	14
46	Percutaneous coronary intervention with or without on-site coronary artery bypass surgery: A systematic review and meta-analysis. International Journal of Cardiology, 2013, 167, 197-204.	0.8	13
47	Performance of plasminogen activator inhibitor-1 as a biomarker in patients undergoing coronary angiography: Analytical and biological considerations. Diabetes and Vascular Disease Research, 2019, 16, 478-482.	0.9	13
48	Sex-specific in-hospital outcomes of transcatheter aortic valve replacement with third generation transcatheter heart valves. Catheterization and Cardiovascular Interventions, 2021, 98, 176-183.	0.7	13
49	Five-year outcomes of transcatheter mitral valve implantation and redo surgery for mitral prosthesis degeneration. Catheterization and Cardiovascular Interventions, 2022, 99, 1659-1665.	0.7	13
50	Granulocyte colony-stimulating factor therapy for stem cell mobilization following anterior wall myocardial infarction: the CAPITAL STEM MI randomized trial. Cmaj, 2014, 186, E427-E434.	0.9	11
51	Glycogen Synthase Kinase-3 β Inhibition Augments Diabetic Endothelial Progenitor Cell Abundance and Functionality via Cathepsin B: A Novel Therapeutic Opportunity for Arterial Repair. Diabetes, 2014, 63, 1410-1421.	0.3	11
52	First-in-Human Use of a Novel Live 3D Intracardiac Echo Probe to Guide Left Atrial Appendage Closure. JACC: Cardiovascular Interventions, 2021, 14, 2407-2409.	1.1	10
53	First Experience With a Novel Live 3D ICE Catheter to Guide Transcatheter Structural Heart Interventions. JACC: Cardiovascular Imaging, 2022, 15, 1502-1509.	2.3	10
54	Significant valvular dysfunction and outcomes in cardiogenic shock: insights from the randomized DOREMI trial. Canadian Journal of Cardiology, 2022, , .	0.8	10

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55	Leak closure following left atrial appendage exclusion procedures: A multicenter registry. <i>Catheterization and Cardiovascular Interventions</i> , 2022, 99, 1867-1876.	0.7	9
56	Unprotected left main coronary artery stenting with zotarolimus (Endeavor) drug-eluting stents. <i>Catheterization and Cardiovascular Interventions</i> , 2012, 80, E15-22.	0.7	8
57	Performance of Plasma Adenosine as a Biomarker for Predicting Cardiovascular Risk. <i>Clinical and Translational Science</i> , 2021, 14, 354-361.	1.5	8
58	Methodological Rigor in Preclinical Cardiovascular Research: Contemporary Performance of AHA Scientific Publications. <i>Circulation Research</i> , 2021, 129, 887-889.	2.0	8
59	Adenosine as a Marker and Mediator of Cardiovascular Homeostasis: A Translational Perspective. <i>Cardiovascular & Hematological Disorders Drug Targets</i> , 2019, 19, 109-131.	0.2	8
60	Photoplethysmography using a smartphone application for assessment of ulnar artery patency: a randomized clinical trial. <i>Cmaj</i> , 2018, 190, E380-E388.	0.9	7
61	Long-term mortality and costs following use of Impella® for mechanical circulatory support: a population-based cohort study. <i>Canadian Journal of Anaesthesia</i> , 2020, 67, 1728-1737.	0.7	7
62	Baseline Left Atrial Pressure Predicts Mortality Following Transcatheter Edge-to-Edge Mitral Valve Repair. <i>JACC: Cardiovascular Interventions</i> , 2021, 14, 2306-2308.	1.1	7
63	Spontaneous coronary artery dissection in cardiac sarcoidosis. <i>Oxford Medical Case Reports</i> , 2019, 2019, omz033.	0.2	6
64	Contrast-free optical coherence tomography: Systematic evaluation of non-contrast media for intravascular assessment. <i>PLoS ONE</i> , 2020, 15, e0237588.	1.1	6
65	Evaluation of plasminogen activator inhibitor-1 as a biomarker of unplanned revascularization and major adverse cardiac events in coronary angiography and percutaneous coronary intervention. <i>Thrombosis Research</i> , 2020, 191, 125-133.	0.8	6
66	Coronary Artery Disease in patients with End-Stage Kidney Disease; Current perspective and gaps of knowledge. <i>Seminars in Dialysis</i> , 2020, 33, 187-197.	0.7	6
67	Association of annual volume and in-hospital outcomes of catheter-directed thrombolysis for pulmonary embolism. <i>Catheterization and Cardiovascular Interventions</i> , 2022, 99, 440-446.	0.7	6
68	RACER renal stents for large diameter left main coronary artery intervention. <i>International Journal of Cardiology</i> , 2012, 156, e68-e70.	0.8	5
69	Clinical outcomes among patients with extreme obesity undergoing elective coronary revascularization: Evaluation of major complications in contemporary practice. <i>International Journal of Cardiology</i> , 2015, 186, 266-272.	0.8	5
70	Effect of a Formalized Research Curriculum on Fellows-in-Training and Early Career Research Productivity. <i>Journal of the American College of Cardiology</i> , 2017, 70, 2723-2726.	1.2	5
71	The secretome of liver X receptor agonist-treated early outgrowth cells decreases atherosclerosis in Ldlr ^{-/-} mice. <i>Stem Cells Translational Medicine</i> , 2021, 10, 479-491.	1.6	5
72	Modifiable Risk Factors and Residual Risk Following Coronary Revascularization. <i>Mayo Clinic Proceedings Innovations, Quality & Outcomes</i> , 2021, 5, 1138-1152.	1.2	5

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73	Optimizing the Early Resuscitation After Out-of-Hospital Cardiac Arrest. <i>Journal of Intensive Care Medicine</i> , 2020, 35, 1556-1563.	1.3	4
74	Atrial mitral regurgitation: Characteristics and outcomes of transcatheter mitral valve edge-to-edge repair. <i>Catheterization and Cardiovascular Interventions</i> , 2022, 100, 133-142.	0.7	4
75	Evaluation of Cobalt and Chromium Levels Following Implantation of Cobalt Chromium Coronary Stents: A Pilot Study. <i>Heart Lung and Circulation</i> , 2018, 27, 763-766.	0.2	3
76	TCT-87 Levoatrial to Coronary Sinus Shunting as a Novel Strategy for Symptomatic Heart Failure: First-in-Human Experience. <i>Journal of the American College of Cardiology</i> , 2019, 74, B87.	1.2	3
77	Transcatheter Tricuspid Valve Intervention: Current Perspective. <i>US Cardiology Review</i> , 0, 15, .	0.5	3
78	Pulmonary hypertension. <i>Canadian Journal of Cardiology</i> , 2010, 26, e176.	0.8	2
79	Percutaneous coronary intervention with RACER renal stents in very large diameter coronary arteries. <i>International Journal of Cardiology</i> , 2015, 201, 342-344.	0.8	2
80	Evaluation of an in vitro coronary stent thrombosis model for preclinical assessment. <i>Platelets</i> , 2020, 31, 167-173.	1.1	2
81	Revisiting the Evidence for Dipyridamole in Reducing Restenosis: A Systematic Review and Meta-analysis. <i>Journal of Cardiovascular Pharmacology</i> , 2021, 77, 450-457.	0.8	2
82	Physician prediction of 1-year mortality in the cardiac catheterization laboratory. <i>Coronary Artery Disease</i> , 2020, Publish Ahead of Print, 403-410.	0.3	2
83	Retrograde Transseptal Pulmonary Vein Transcatheter Plug Closure for Pulmonary Arteriovenous Malformation. <i>JACC: Case Reports</i> , 2022, 4, 150-153.	0.3	2
84	No sex-based difference in cardiogenic shock: A post-hoc analysis of the DOREMI trial. <i>Journal of Cardiology</i> , 2022, , .	0.8	2
85	Left Atrial Dissection After Percutaneous Transluminal Mitral Valvuloplasty. <i>Canadian Journal of Cardiology</i> , 2017, 33, 831.e5-831.e6.	0.8	1
86	De-escalation of P2Y12 Inhibitor Use After Percutaneous Coronary Intervention and Acute Coronary Syndromes. <i>CJC Open</i> , 2021, 3, 1091-1099.	0.7	1
87	Intraoperative Left Atrial Appendage Occluder Implantation with the Amplatzer Cardiac Plug. <i>Structural Heart</i> , 2021, 5, 420-421.	0.2	1
88	Predictors of angina resolution after percutaneous coronary intervention in stable coronary artery disease. <i>Coronary Artery Disease</i> , 2022, 33, 98-104.	0.3	1
89	Transcatheter Mitral Valve Repair for Severe Functional Mitral Regurgitation and Cardiogenic Shock. <i>Cardiovascular Revascularization Medicine</i> , 2021, 28, 65-67.	0.3	0
90	Impact of trainee involvement on patient radiation exposure and contrast volumes during invasive cardiac procedures. <i>Clinical and Investigative Medicine</i> , 2020, 43, E18-E21.	0.3	0

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91	Utility of a smartphone application in assessing palmar circulation prior to radial artery harvesting for coronary artery bypass grafting: rationale and design of the randomised CAPITAL iRADIAL-CABG trial. <i>BMJ Open</i> , 2022, 12, e055580.	0.8	0