

Daniel Bainbridge

List of Publications by Year in descending order

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103
papers

3,864
citations

257450

24
h-index

123424

61
g-index

104
all docs

104
docs citations

104
times ranked

3187
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring Brain Oxygen Saturation During Coronary Bypass Surgery: A Randomized, Prospective Study. <i>Anesthesia and Analgesia</i> , 2007, 104, 51-58.	2.2	1,245
2	Perioperative and anaesthetic-related mortality in developed and developing countries: a systematic review and meta-analysis. <i>Lancet, The</i> , 2012, 380, 1075-1081.	13.7	488
3	Does Off-pump Coronary Artery Bypass Reduce Mortality, Morbidity, and Resource Utilization When Compared with Conventional Coronary Artery Bypass? A Meta-analysis of Randomized Trials. <i>Anesthesiology</i> , 2005, 102, 188-203.	2.5	416
4	The Efficacy of an Intraoperative Cell Saver During Cardiac Surgery: A Meta-Analysis of Randomized Trials. <i>Anesthesia and Analgesia</i> , 2009, 109, 320-330.	2.2	206
5	Perioperative Coagulation Management and Blood Conservation in Cardiac Surgery: A Canadian Survey. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2008, 22, 662-669.	1.3	134
6	Simultaneous integrated coronary artery revascularization with long-term angiographic follow-up. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008, 136, 702-708.	0.8	110
7	Apolipoprotein E genotype differentially influences the proinflammatory and anti-inflammatory response to cardiopulmonary bypass. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2001, 122, 622-623.	0.8	79
8	Patient-controlled versus nurse-controlled analgesia after cardiac surgery – a meta-analysis. <i>Canadian Journal of Anaesthesia</i> , 2006, 53, 492-499.	1.6	75
9	Transversus thoracis muscle plane block in cardiac surgery: a pilot feasibility study. <i>Regional Anesthesia and Pain Medicine</i> , 2019, 44, 556-560.	2.3	70
10	Dynamic 2D Ultrasound and 3D CT Image Registration of the Beating Heart. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 1179-1189.	8.9	69
11	À½analgÃ©sie avec des AINS, le contrÃ©le de la douleur et la morbiditÃ© en chirurgie cardiothoracique. <i>Canadian Journal of Anaesthesia</i> , 2006, 53, 46-59.	1.6	62
12	Unilateral Postoperative Pulmonary Edema After Minimally Invasive Cardiac Surgical Procedures: A Case-Control Study. <i>Annals of Thoracic Surgery</i> , 2015, 99, 115-122.	1.3	44
13	A systematic review of transthoracic and transesophageal echocardiography in non-cardiac surgery: implications for point-of-care ultrasound education in the operating room. <i>Canadian Journal of Anaesthesia</i> , 2016, 63, 480-487.	1.6	43
14	Does off-pump or minimally invasive coronary artery bypass reduce mortality, morbidity, and resource utilization when compared with percutaneous coronary intervention? A meta-analysis of randomized trials. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007, 133, 623-631.	0.8	42
15	En Bloc Exclusion of the Pulmonary Vein Region in the Pig Using Off Pump, Beating, Intra-Cardiac Surgery: A Pilot Study of Minimally Invasive Surgery for Atrial Fibrillation. <i>Annals of Thoracic Surgery</i> , 2005, 80, 1417-1423.	1.3	39
16	Is Routine Chest X-Ray After Ultrasound-Guided Central Venous Catheter Insertion Choosing Wisely?. <i>Chest</i> , 2018, 154, 148-156.	0.8	38
17	USÃ©Fluoroscopy Registration for Transcatheter Aortic Valve Implantation. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 1444-1453.	4.2	36
18	Off Pump Coronary Artery Bypass Graft Surgery Versus Conventional Coronary Artery Bypass Graft Surgery: A Systematic Review of the Literature. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2005, 9, 105-111.	1.0	33

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19	Inside the beating heart: an in vivo feasibility study on fusing pre- and intra-operative imaging for minimally invasive therapy. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2009, 4, 113-123.	2.8	32
20	N-acetylcysteine in Cardiac Surgery: Do the Benefits Outweigh the Risks? A Meta-Analytic Reappraisal. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2011, 25, 268-275.	1.3	32
21	Magnesium for acute traumatic brain injury. <i>The Cochrane Library</i> , 2008, , CD005400.	2.8	29
22	Image Guidance for Spinal Facet Injections Using Tracked Ultrasound. <i>Lecture Notes in Computer Science</i> , 2009, 12, 516-523.	1.3	28
23	Sedation, Analgesia, and Anaesthesia Variability in Laboratory-Based Cardiac Procedures: An International Survey. <i>Canadian Journal of Cardiology</i> , 2014, 30, 627-633.	1.7	27
24	Augmented Reality Image Guidance Improves Navigation for Beating Heart Mitral Valve Repair. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2012, 7, 274-281.	0.9	25
25	Comparison of isoflurane and sevoflurane in cardiac surgery: a randomized non-inferiority comparative effectiveness trial. <i>Canadian Journal of Anaesthesia</i> , 2016, 63, 1128-1139.	1.6	25
26	Mixed reality ultrasound guidance system: a case study in system development and a cautionary tale. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2018, 13, 495-505.	2.8	23
27	Robotic-assisted closure of atrial septal defect under real-time three-dimensional echo guide: in vitro study. <i>European Journal of Cardio-thoracic Surgery</i> , 2007, 32, 573-576.	1.4	22
28	A review of diagnostic accuracy and clinical impact from the focused use of perioperative ultrasound. <i>Canadian Journal of Anaesthesia</i> , 2018, 65, 371-380.	1.6	22
29	Mitral valve implantation using off-pump closed beating intracardiac surgery: a feasibility study. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2007, 6, 603-607.	1.1	21
30	3-D Imaging for Aortic Plaque Assessment. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2005, 9, 163-165.	1.0	19
31	Cardiopulmonary Bypass Decreases G Protein-Coupled Receptor Kinase Activity and Expression in Human Peripheral Blood Mononuclear Cells. <i>Anesthesiology</i> , 2003, 98, 343-348.	2.5	18
32	A Navigation Platform for Guidance of Beating Heart Transapical Mitral Valve Repair. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 1034-1040.	4.2	18
33	Towards a Medical Virtual Reality Environment for Minimally Invasive Cardiac Surgery. <i>Lecture Notes in Computer Science</i> , 2008, , 1-11.	1.3	18
34	An augmented reality environment for image-guidance of off-pump mitral valve implantation. , 2007, , .		17
35	Virtual Reality Imaging with Real-Time Ultrasound Guidance for Facet Joint Injection. <i>Anesthesia and Analgesia</i> , 2010, 110, 1461-1463.	2.2	17
36	Ultrasound Image and Augmented Reality Guidance for Off-pump, Closed, Beating, Intracardiac Surgery. <i>Artificial Organs</i> , 2008, 32, 840-845.	1.9	16

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37	Modeling Patient-Specific Deformable Mitral Valves. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018, 32, 1368-1373.	1.3	15
38	Stress-induced cardiomyopathy in the perioperative setting. <i>Canadian Journal of Anaesthesia</i> , 2009, 56, 397-401.	1.6	13
39	Surgical, Anesthetic, Perfusion-Related Advances in Minimal Access Surgery. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2007, 11, 282-287.	1.0	11
40	Sevoflurane in acute myocardial infarction: A pilot randomized study. <i>American Heart Journal</i> , 2014, 168, 776-783.	2.7	10
41	Intraoperative Echocardiography: Support for Decision Making in Cardiac Surgery. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2004, 8, 25-35.	1.0	8
42	Minimally Invasive Direct Coronary Artery Bypass and Off-Pump Coronary Artery Bypass Surgery: Anesthetic Considerations. <i>Anesthesiology Clinics</i> , 2008, 26, 437-452.	1.4	8
43	Evaluation of Tricuspid and Pulmonary Valves Using Epicardial and Transesophageal Echocardiography—A Comparative Study. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2012, 26, 32-38.	1.3	8
44	Interactive-Automatic Segmentation and Modelling of the Mitral Valve. <i>Lecture Notes in Computer Science</i> , 2019, , 397-404.	1.3	8
45	Off-Pump Atrial Septal Defect Closure Using the Universal Cardiac Introducer. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2009, 4, 20-26.	0.9	7
46	Orogastric tubes do not improve transesophageal echocardiographic imaging during cardiac surgery: a randomized trial. <i>Canadian Journal of Anaesthesia</i> , 2010, 57, 216-221.	1.6	7
47	Comparison of MAX-ACT and K-ACT Values When Using Bivalirudin Anticoagulation During Minimally Invasive Hybrid Off-Pump Coronary Artery Bypass Graft Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2011, 25, 415-418.	1.3	7
48	The Use of 3D Epi-aortic Scanning to Enhance Evaluation of Atherosclerotic Plaque in the Ascending Aorta: A Case Series. <i>Heart Surgery Forum</i> , 2004, 7, E636-E638.	0.5	7
49	Assessing the Immediate and Sustained Effectiveness of Circular Epicardial Surgical Ligation of the Left Atrial Appendage. <i>Journal of Cardiac Surgery</i> , 2012, 27, 270-273.	0.7	6
50	The use of point-of-care ultrasound to diagnose patent foramen ovale in elective hip and knee arthroplasty patients and its association with postoperative delirium. <i>Canadian Journal of Anaesthesia</i> , 2018, 65, 619-626.	1.6	6
51	The Effects of Positioning on the Volume/Location of the Internal Jugular Vein Using 2-Dimensional Tracked Ultrasound. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020, 34, 920-925.	1.3	6
52	Live 3-Dimensional Echocardiography Guidance for the Insertion of a Retrograde Cardioplegic Catheter through the Coronary Sinus. <i>Heart Surgery Forum</i> , 2007, 10, E188-E190.	0.5	6
53	Feature-based US to CT registration of the aortic root. <i>Proceedings of SPIE</i> , 2011, , .	0.8	5
54	Transcatheter Aortic Valve Implantation in a Patient With Severe Aortic Insufficiency and Minimal Aortic Annular Calcification. <i>Canadian Journal of Cardiology</i> , 2013, 29, 1138.e9-1138.e11.	1.7	5

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55	Improving anesthesia care and pain medicine in rural Canada: nothing about us without us. Canadian Journal of Anaesthesia, 2021, 68, 1731-1737.	1.6	5
56	Navigation accuracy for an intracardiac procedure using ultrasound enhanced virtual reality. , 2007, , .		4
57	Off-Pump Coronary Artery Bypass Surgery and the Kidney. American Journal of Kidney Diseases, 2009, 54, 395-398.	1.9	4
58	The Role of Epicardial Echocardiography in the Measurement of Transvalvular Flow Velocities During Aortic Valve Replacement. Journal of Cardiothoracic and Vascular Anesthesia, 2009, 23, 292-297.	1.3	4
59	Simultaneous Robotic-Assisted Mitral Valve Repair and Percutaneous Coronary Intervention. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2010, 5, 375-377.	0.9	4
60	Dynamic tracking of microvascular hemoglobin content for continuous perfusion monitoring in the intensive care unit: pilot feasibility study. Journal of Clinical Monitoring and Computing, 2021, 35, 1453-1465.	1.6	4
61	Is Off-Pump Bypass Grafting Truly Superior to Conventional Coronary Artery Bypass Grafting?. Annals of Thoracic Surgery, 2005, 79, 383.	1.3	3
62	Aortic Assessment for Cardiac Surgical Procedures. Seminars in Cardiothoracic and Vascular Anesthesia, 2006, 10, 158-161.	1.0	3
63	Predicting target vessel location on robot-assisted coronary artery bypass graft using CT to ultrasound registration. Medical Physics, 2012, 39, 1579-1587.	3.0	3
64	Anaesthetic-related mortality in sub-Saharan Africa – Authors' reply. Lancet, The, 2013, 381, 199-200.	13.7	3
65	Cardioplegia During Minimally Invasive Mitral Valve Surgery, a Team Approach. Journal of Cardiothoracic and Vascular Anesthesia, 2018, 32, 664-665.	1.3	3
66	Transesophageal Echocardiography and Outcomes in Coronary Artery Bypass Grafting Surgery: Dealing With Confounders in Observational Studies. Journal of Cardiothoracic and Vascular Anesthesia, 2020, 34, 696-697.	1.3	3
67	Personal protective equipment (PPE) for anesthesiologists: the need for national guidelines. Canadian Journal of Anaesthesia, 2020, 67, 919-923.	1.6	3
68	Appropriate Clinical Trial Registration Is the Key to Transparent Reporting and Publication. Journal of Cardiothoracic and Vascular Anesthesia, 2021, 35, 1578-1580.	1.3	3
69	Robotic-Assisted Left Atrial Ligation for Stroke Reduction in Chronic Atrial Fibrillation: A Case Report. Heart Surgery Forum, 2006, 9, E533-E535.	0.5	3
70	Aortic Dissection in a Patient with a Previous Ascending Aortic Dissection and Repair: The Role of New Monitoring Devices in the High-Risk Patient. Seminars in Cardiothoracic and Vascular Anesthesia, 2004, 8, 3-7.	1.0	2
71	Intracardiac cryo-ablation on the off-pump, beating heart, combined with or replacing the epicardial approach for minimally-invasive surgery for atrial fibrillation. Heart Rhythm, 2005, 2, S91.	0.7	2
72	Off-Pump Atrial Septal Defect Closure Using the Universal Cardiac Introducer®. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2009, 4, 20-26.	0.9	2

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73	Accuracy assessment of fluoroscopy-transesophageal echocardiography registration. Proceedings of SPIE, 2011, , .	0.8	2
74	Simultaneous Robotic-Assisted Mitral Valve Repair and Percutaneous Coronary Intervention. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2010, 5, 375-377.	0.9	2
75	Augmented reality image guidance during off-pump mitral valve replacement through the guiraudon universal cardiac introducer. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2010, 5, 430-8.	0.9	2
76	Adequacy of Brain Oxygen Saturation for Goal-Directed Therapy. Anesthesia and Analgesia, 2007, 105, 538-539.	2.2	1
77	Hybrid Coronary Artery Bypass Grafting. Anesthesiology Clinics, 2008, 26, 453-463.	1.4	1
78	From pre-operative cardiac modeling to intra-operative virtual environments for surgical guidance: an in vivo study. Proceedings of SPIE, 2008, , .	0.8	1
79	Augmented Reality Image Guidance during Off-Pump Mitral Valve Replacement through the Guiraudon Universal Cardiac Introducer. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2010, 5, 430-438.	0.9	1
80	The Use of Ultrasound to Guide Interventions: From Bench to Bedside and Back Again. Seminars in Cardiothoracic and Vascular Anesthesia, 2010, 14, 183-185.	1.0	1
81	Investigating Perioperative Heart Migration during Robot-Assisted Coronary Artery Bypass Grafting Interventions. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2011, 6, 323-330.	0.9	1
82	Hybrid Access to Atria via the Guiraudon Universal Cardiac Introducer for Arrhythmia Ablation after Total Cavopulmonary Derivation. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2012, 7, 217-222.	0.9	1
83	Percutaneous Superior Vena Cava Drainage During Minimally Invasive Mitral Valve Surgery: A Randomized, Crossover Study. Journal of Cardiothoracic and Vascular Anesthesia, 2015, 29, 101-106.	1.3	1
84	Vasoplegia in Cardiac Surgery: Pave the Way for Prevention. Journal of Cardiothoracic and Vascular Anesthesia, 2019, 33, 3281-3282.	1.3	1
85	The Adolescent Minor and Urgent Aortic Surgery: Challenges and Solutions With Capacity and Competence in Informed Consent. Journal of Cardiothoracic and Vascular Anesthesia, 2019, 33, 1139-1145.	1.3	1
86	The Long QT Conundrum. Journal of Cardiothoracic and Vascular Anesthesia, 2019, 33, 967-968.	1.3	1
87	Professional advocacy and citizenship: a continuing journey that begins during residency. Canadian Journal of Anaesthesia, 2020, 67, 1493-1496.	1.6	1
88	Assessing resident member needs at the Canadian Anesthesiologistsâ€™ Society: a national survey. Canadian Journal of Anaesthesia, 2020, 67, 1645-1646.	1.6	1
89	Improving the Reporting of Observational Trials. Journal of Cardiothoracic and Vascular Anesthesia, 2021, 35, 1581-1584.	1.3	1
90	The Ross Procedure for Aortic Valve Disease: Radical or Routine?. Journal of Cardiothoracic and Vascular Anesthesia, 2021, 35, 2841-2843.	1.3	1

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91	Cardiac Imaging and Modeling for Guidance of Minimally Invasive Beating Heart Interventions. Lecture Notes in Computer Science, 2009, , 466-475.	1.3	1
92	A Navigation Platform for Guidance of Beating Heart Transapical Mitral Valve Repair. Lecture Notes in Computer Science, 2012, , 84-93.	1.3	1
93	Multi-View 3D Transesophageal Echocardiography Registration and Volume Compounding for Mitral Valve Procedure Planning. Applied Sciences (Switzerland), 2022, 12, 4562.	2.5	1
94	3D localization of vena contracta using Doppler ICE imaging in tricuspid valve interventions. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 1569-1577.	2.8	1
95	The maze procedure and outcomes in cardiac surgery patients, a meta-analysis. Canadian Journal of Anaesthesia, 2006, 53, 26209-26209.	1.6	0
96	Anaesthetic management for the patient of large ostium secundum and severe mitral regurgitation with addison's disease undergoing minimally invasive cardiac surgery. Canadian Journal of Anaesthesia, 2007, 54, 44431-44431.	1.6	0
97	Off-Pump Positioning of a Conventional Aortic Valve Prosthesis through the Left Ventricular Apex with the Universal Cardiac Introducer under Sole Ultrasound Guidance, in the Pig. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2009, 4, 269-277.	0.9	0
98	What Was Hot and What Was Not in 2007?: A Literature Review. Seminars in Cardiothoracic and Vascular Anesthesia, 2009, 13, 78-80.	1.0	0
99	Systematizing Safety in the Low-Resource Operating Theater. Current Anesthesiology Reports, 2017, 7, 37-41.	2.0	0
100	A Curious Case of Blood-Culture-Negative Infective Endocarditis. Journal of Cardiothoracic and Vascular Anesthesia, 2018, 32, e3-e5.	1.3	0
101	Off-Pump Positioning of a Conventional Aortic Valve Prosthesis through the Left Ventricular Apex with the Universal Cardiac Introducer under Sole Ultrasound Guidance, in the Pig. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2009, 4, 269-277.	0.9	0
102	CT-US Registration for Guidance of Transcatheter Aortic Valve Implantation. Lecture Notes in Computer Science, 2012, , 85-92.	1.3	0
103	In reply: Initiatives to support rural access to anesthesia. Canadian Journal of Anaesthesia, 2022, , 1.	1.6	0