

Julian A Smith

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

236
papers

4,122
citations

33
h-index

54
g-index

269
ext. papers

4,914
ext. citations

2.8
avg, IF

5.3
L-index

#	Paper	IF	Citations
236	Tranexamic Acid in Patients Undergoing Coronary-Artery Surgery. <i>New England Journal of Medicine</i> , 2017 , 376, 136-148	59.2	311
235	The potential for bronchoscopic lung volume reduction using bronchial prostheses: a pilot study. <i>Chest</i> , 2003 , 124, 1073-80	5.3	165
234	Stopping vs. Continuing Aspirin before Coronary Artery Surgery. <i>New England Journal of Medicine</i> , 2016 , 374, 728-37	59.2	117
233	Enhanced sliding mode motion tracking control of piezoelectric actuators. <i>Sensors and Actuators A: Physical</i> , 2007 , 138, 194-202	3.9	107
232	Coenzyme Q10 therapy before cardiac surgery improves mitochondrial function and in vitro contractility of myocardial tissue. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2005 , 129, 25-32	1.5	104
231	Usefulness of postoperative atrial fibrillation as an independent predictor for worse early and late outcomes after isolated coronary artery bypass grafting (multicenter Australian study of 19,497 patients). <i>American Journal of Cardiology</i> , 2012 , 109, 219-25	3	102
230	Robust motion tracking control of piezo-driven flexure-based four-bar mechanism for micro/nano manipulation. <i>Mechatronics</i> , 2008 , 18, 111-120	3	99
229	Contemporary results show repeat coronary artery bypass grafting remains a risk factor for operative mortality. <i>Annals of Thoracic Surgery</i> , 2009 , 87, 1386-91	2.7	98
228	Major complications related to the use of transesophageal echocardiography in cardiac surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2009 , 23, 62-5	2.1	87
227	Sliding-Mode Enhanced Adaptive Motion Tracking Control of Piezoelectric Actuation Systems for Micro/Nano Manipulation. <i>IEEE Transactions on Control Systems Technology</i> , 2008 , 16, 826-833	4.8	87
226	Validation of the EuroSCORE model in Australia. <i>European Journal of Cardio-thoracic Surgery</i> , 2006 , 29, 441-6; discussion 446	3	75
225	Empyema thoracis: 14-year experience in a teaching center. <i>Annals of Thoracic Surgery</i> , 1991 , 51, 39-42	2.7	75
224	Sex differences in outcomes following isolated coronary artery bypass graft surgery in Australian patients: analysis of the Australasian Society of Cardiac and Thoracic Surgeons cardiac surgery database. <i>European Journal of Cardio-thoracic Surgery</i> , 2012 , 41, 755-62	3	74
223	Progress towards a National Cardiac Procedure Database--development of the Australasian Society of Cardiac and Thoracic Surgeons (ASCTS) and Melbourne Interventional Group (MIG) registries. <i>Heart Lung and Circulation</i> , 2011 , 20, 10-8	1.8	66
222	Risk factors for surgical wound infection and bacteraemia following coronary artery bypass surgery. <i>ANZ Journal of Surgery</i> , 2000 , 70, 47-51	1	65
221	Prediction of acute kidney injury within 30 days of cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 147, 1875-83, 1883.e1	1.5	55
220	Quality control activities associated with registries in interventional cardiology and surgery. <i>Heart Lung and Circulation</i> , 2011 , 20, 180-6	1.8	55

219	Robust neural network motion tracking control of piezoelectric actuation systems for micro/nanomanipulation. <i>IEEE Transactions on Neural Networks</i> , 2009 , 20, 356-67		55
218	Aspirin and Tranexamic Acid for Coronary Artery Surgery (ATACAS) Trial: rationale and design. <i>American Heart Journal</i> , 2008 , 155, 224-30	4.9	52
217	Trends in coronary artery bypass graft surgery in Victoria, 2001-2006: findings from the Australasian Society of Cardiac and Thoracic Surgeons database project. <i>Medical Journal of Australia</i> , 2008 , 188, 214-7	4	44
216	Bilateral sequential single lung transplantation for pulmonary hypertension and Eisenmenger's syndrome. <i>Annals of Thoracic Surgery</i> , 2000 , 69, 381-7	2.7	44
215	A preoperative risk prediction model for 30-day mortality following cardiac surgery in an Australian cohort. <i>European Journal of Cardio-thoracic Surgery</i> , 2010 , 37, 1086-92	3	42
214	Development and control of a two DOF linear-angular precision positioning stage. <i>Mechatronics</i> , 2015 , 32, 34-43	3	40
213	An Australian risk prediction model for 30-day mortality after isolated coronary artery bypass: the AusSCORE. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009 , 138, 904-10	1.5	40
212	ADAM17 selectively activates the IL-6 trans-signaling/ERK MAPK axis in KRAS-addicted lung cancer. <i>EMBO Molecular Medicine</i> , 2019 , 11,	12	39
211	A cost-analysis study of robotic versus conventional mitral valve repair. <i>Heart Lung and Circulation</i> , 2010 , 19, 413-8	1.8	38
210	Initial twelve months experience and analysis for 2001-2002 from the Australasian Society of Cardiac and Thoracic Surgeons--Victorian database project. <i>Heart Lung and Circulation</i> , 2004 , 13, 291-7	1.8	38
209	Critical analysis of early and late outcomes after isolated coronary artery bypass surgery in elderly patients. <i>Annals of Thoracic Surgery</i> , 2011 , 92, 1703-11	2.7	37
208	Epicardial high-intensity focused ultrasound cardiac ablation for surgical treatment of atrial fibrillation. <i>Heart Lung and Circulation</i> , 2009 , 18, 28-31	1.8	36
207	Urinary hypoxia: an intraoperative marker of risk of cardiac surgery-associated acute kidney injury. <i>Nephrology Dialysis Transplantation</i> , 2018 , 33, 2191-2201	4.3	34
206	Does prior percutaneous coronary intervention adversely affect early and mid-term survival after coronary artery surgery?. <i>JACC: Cardiovascular Interventions</i> , 2009 , 2, 758-64	5	34
205	Lung volume reduction surgery in emphysema: a systematic review. <i>Annals of Thoracic Surgery</i> , 2001 , 72, 641-8	2.7	34
204	Surgeons' attitudes towards and usage of evidence-based medicine in surgical practice: a pilot study. <i>ANZ Journal of Surgery</i> , 2007 , 77, 231-6	1	33
203	The EuroSCORE risk stratification system in the current era: how accurate is it and what should be done if it is inaccurate?. <i>European Journal of Cardio-thoracic Surgery</i> , 2009 , 35, 59-61	3	32
202	Clinical characteristics and early mortality of patients undergoing coronary artery bypass grafting compared to percutaneous coronary intervention: insights from the Australasian Society of Cardiac and Thoracic Surgeons (ASCTS) and the Melbourne Interventional Group (MIG) Registries. <i>Heart Lung and Circulation</i> , 2009 , 18, 181-90	1.8	32

201	Impact of graft ischemic time on outcomes after bilateral sequential single-lung transplantation. <i>Annals of Thoracic Surgery</i> , 1999 , 67, 1577-82	2.7	32
200	Failure Rates of Base of Thumb Arthritis Surgery: A Systematic Review. <i>Journal of Hand Surgery</i> , 2019 , 44, 728-741.e10	2.6	31
199	Development and preliminary validation of the EASE: a tool to measure perceived singing voice function. <i>Journal of Voice</i> , 2013 , 27, 454-62	1.9	30
198	An actuated force feedback-enabled laparoscopic instrument for robotic-assisted surgery. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2014 , 10, 11-21	2.9	30
197	Tumour necrosis factor- β stimulates human neutrophils to release preformed activin A. <i>Immunology and Cell Biology</i> , 2011 , 89, 889-96	5	30
196	Urinary oxygen tension: a clinical window on the health of the renal medulla?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014 , 306, R45-50	3.2	29
195	Postoperative atrial fibrillation after isolated aortic valve replacement: a cause for concern?. <i>Annals of Thoracic Surgery</i> , 2013 , 95, 133-40	2.7	29
194	Evidence-based medicine training and implementation in surgery: the role of surgical cultures. <i>Journal of Evaluation in Clinical Practice</i> , 2011 , 17, 819-26	2.5	29
193	Renal hemodynamics, function, and oxygenation during cardiac surgery performed on cardiopulmonary bypass: a modeling study. <i>Physiological Reports</i> , 2015 , 3, e12260	2.6	28
192	Dynamic motion analysis of dart throwers motion visualized through computerized tomography and calculation of the axis of rotation. <i>Journal of Hand Surgery: European Volume</i> , 2014 , 39, 364-72	1.4	28
191	Transfusion practice varies widely in cardiac surgery: Results from a national registry. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 147, 1684-1690.e1	1.5	28
190	Recovery of cognitive function after coronary artery bypass graft operations. <i>Annals of Thoracic Surgery</i> , 2013 , 95, 1306-13	2.7	27
189	Chronic extra-aortic balloon counterpulsation: first-in-human pilot study in end-stage heart failure. <i>Journal of Heart and Lung Transplantation</i> , 2010 , 29, 1427-32	5.8	27
188	Saphenous vein graft pseudoaneurysm formation after postoperative mediastinitis. <i>Annals of Thoracic Surgery</i> , 1992 , 54, 766-8	2.7	27
187	Impact of smoking status on early and late outcomes after isolated coronary artery bypass graft surgery. <i>Journal of Cardiology</i> , 2013 , 61, 336-41	3	25
186	Acute pulmonary embolectomy. <i>European Journal of Cardio-thoracic Surgery</i> , 2013 , 43, 1087-95	3	25
185	Regulation and actions of activin A and follistatin in myocardial ischaemia-reperfusion injury. <i>Cytokine</i> , 2014 , 69, 255-62	4	24
184	Predictors of perioperative morbidity and mortality in lung volume reduction surgery. <i>Annals of Thoracic Surgery</i> , 2000 , 69, 1711-6	2.7	24

183	Gastrointestinal complications after cardiac surgery: 10-year experience of a single Australian centre. <i>ANZ Journal of Surgery</i> , 2013 , 83, 651-6	1	23
182	Stanford type a aortic dissection in pregnancy: a diagnostic and management challenge. <i>Heart Lung and Circulation</i> , 2013 , 22, 12-8	1.8	23
181	Preoperative atrial fibrillation is an independent risk factor for mid-term mortality after concomitant aortic valve replacement and coronary artery bypass graft surgery. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2013 , 16, 488-94	1.8	23
180	Effects of realistic force feedback in a robotic assisted minimally invasive surgery system. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2014 , 23, 127-35	2.1	22
179	Procedure-specific Cardiac Surgeon Volume associated with Patient outcome following Valve Surgery, but not Isolated CABG Surgery. <i>Heart Lung and Circulation</i> , 2015 , 24, 583-9	1.8	21
178	AusSCORE II in predicting 30-day mortality after isolated coronary artery bypass grafting in Australia and New Zealand. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 148, 1850-1855.e2	1.5	21
177	Imagining a continuing interprofessional education program (CIPE) within surgical training. <i>Journal of Continuing Education in the Health Professions</i> , 2009 , 29, 185-9	2.1	21
176	Impact of prosthesis--patient mismatch after mitral valve replacement: a multicentre analysis of early outcomes and mid-term survival. <i>Heart</i> , 2011 , 97, 1074-81	5.1	21
175	Lung volume reduction surgery for emphysema. <i>Medical Journal of Australia</i> , 1997 , 167, 529-32	4	21
174	Angiosarcoma of the colon. Report of a case with long-term survival. <i>Diseases of the Colon and Rectum</i> , 1990 , 33, 330-3	3.1	21
173	Managing deep sternal wound infections with vacuum-assisted closure. <i>ANZ Journal of Surgery</i> , 2008 , 78, 333-6	1	20
172	Does preoperative atrial fibrillation portend a poorer prognosis in patients undergoing isolated aortic valve replacement? A multicentre Australian study. <i>Canadian Journal of Cardiology</i> , 2013 , 29, 697-703	2.8	19
171	Study protocol for a randomised controlled trial of invasive versus conservative management of primary spontaneous pneumothorax. <i>BMJ Open</i> , 2016 , 6, e011826	3	19
170	A new ChainMail approach for real-time soft tissue simulation. <i>Bioengineered</i> , 2016 , 7, 246-52	5.7	18
169	Interprofessional non-technical skills for surgeons in disaster response: a qualitative study of the Australian perspective. <i>Journal of Interprofessional Care</i> , 2013 , 27, 177-83	2.7	18
168	Short- and midterm outcomes of coronary artery bypass surgery performed by surgeons in training. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009 , 137, 1088-92	1.5	18
167	Perspectives on the impact on vocal function of heavy vocal load among working professional music theater performers. <i>Journal of Voice</i> , 2013 , 27, 390.e31-9	1.9	17
166	Factors that confound the prediction of renal medullary oxygenation and risk of acute kidney injury from measurement of bladder urine oxygen tension. <i>Acta Physiologica</i> , 2019 , 227, e13294	5.6	16

165	A cellular neural network methodology for deformable object simulation. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2006 , 10, 749-62		16
164	Tranexamic acid in coronary artery surgery: One-year results of the Aspirin and Tranexamic Acid for Coronary Artery Surgery (ATACAS) trial. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 , 157, 644-652.e9	1.5	16
163	Alkaptonuria-associated aortic stenosis. <i>Journal of Cardiac Surgery</i> , 2013 , 28, 417-20	1.3	15
162	An Australian risk prediction model for determining early mortality following aortic valve replacement. <i>European Journal of Cardio-thoracic Surgery</i> , 2011 , 39, 815-21	3	15
161	An autowave based methodology for deformable object simulation. <i>CAD Computer Aided Design</i> , 2006 , 38, 740-754	2.9	15
160	Soft tissue modelling through autowaves for surgery simulation. <i>Medical and Biological Engineering and Computing</i> , 2006 , 44, 805-21	3.1	14
159	Utility of SUV on F-FDG PET in detecting cervical nodal metastases. <i>Cancer Imaging</i> , 2016 , 16, 39	5.6	14
158	The clinical academic workforce in Australia and New Zealand: report on the second binational summit to implement a sustainable training pathway. <i>Internal Medicine Journal</i> , 2017 , 47, 394-399	1.6	13
157	Soft tissue deformation with reaction-diffusion process for surgery simulation. <i>Journal of Visual Languages and Computing</i> , 2012 , 23, 1-12		13
156	Credentialing of surgeons: a systematic review across a number of jurisdictions. <i>ANZ Journal of Surgery</i> , 2012 , 82, 492-8	1	13
155	Does patient gender affect outcomes after concomitant coronary artery bypass graft and aortic valve replacement? An Australian Society of Cardiac and Thoracic Surgeons Database study. <i>Cardiology</i> , 2011 , 119, 116-23	1.6	13
154	Early and late outcomes after isolated aortic valve replacement in octogenarians: an Australasian Society of Cardiac and Thoracic Surgeons Cardiac Surgery Database Study. <i>European Journal of Cardio-thoracic Surgery</i> , 2012 , 41, 63-8	3	13
153	Enhanced Preoperative Deep Inferior Epigastric Artery Perforator Flap Planning with a 3D-Printed Perforasome Template: Technique and Case Report. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2018 , 6, e1644	1.2	12
152	Does the Use of a Pulmonary Artery Catheter Make a Difference During or After Cardiac Surgery?. <i>Heart Lung and Circulation</i> , 2018 , 27, 952-960	1.8	12
151	Soft tissue modelling with conical springs. <i>Bio-Medical Materials and Engineering</i> , 2015 , 26 Suppl 1, S207-14		12
150	Measuring vocal function in professional music theater singers: construct validation of the Evaluation of the Ability to Sing Easily (EASE). <i>Folia Phoniatrica Et Logopaedica</i> , 2014 , 66, 100-8	1.5	12
149	Extra-aortic implantable counterpulsation pump in chronic heart failure. <i>Annals of Thoracic Surgery</i> , 2008 , 85, 2122-5	2.7	12
148	Design, analysis and experimental investigations of a high precision flexure-based microgripper for micro/nano manipulation. <i>Mechatronics</i> , 2020 , 69, 102396	3	11

147	Acute Risk Change for Cardiothoracic Admissions to Intensive Care (ARCTIC index): a new measure of quality in cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 148, 3076-81.e1	1.5	11
146	Interprofessional non-technical skills for surgeons in disaster response: a literature review. <i>Journal of Interprofessional Care</i> , 2013 , 27, 380-6	2.7	11
145	Non-operative management of tube thoracostomy induced pulmonary artery injury. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2009 , 9, 759-60	1.8	11
144	An electromechanical based deformable model for soft tissue simulation. <i>Artificial Intelligence in Medicine</i> , 2009 , 47, 275-88	7.4	11
143	Mitral valve replacement via a right mini-thoracotomy in the dog: use of carbon dioxide to reduce intracardiac air. <i>European Journal of Cardio-thoracic Surgery</i> , 1997 , 11, 1067-73	3	11
142	Right atrial perforation by a temporary epicardial pacing wire. <i>Annals of Thoracic Surgery</i> , 1990 , 50, 141-2.7		11
141	Preoperative atrial fibrillation is an independent predictor of worse early and late outcomes after isolated coronary artery bypass graft surgery. <i>Journal of Cardiology</i> , 2015 , 65, 224-9	3	10
140	Cellular neural network modelling of soft tissue dynamics for surgical simulation. <i>Technology and Health Care</i> , 2017 , 25, 337-344	1.1	10
139	Excellent short- and long-term outcomes after concomitant aortic valve replacement and coronary artery bypass grafting performed by surgeons in training. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013 , 145, 334-40	1.5	10
138	Nanorobots for Laparoscopic Cancer Surgery 2007 ,		10
137	Predictors of surgery after percutaneous mitral valvuloplasty. <i>Annals of Thoracic Surgery</i> , 2006 , 82, 828-33.7		10
136	Neural dynamics-based Poisson propagation for deformable modelling. <i>Neural Computing and Applications</i> , 2019 , 31, 1091-1101	4.8	10
135	Impact of socioeconomic status and rurality on early outcomes and mid-term survival after CABG: insights from a multicentre registry. <i>Heart Lung and Circulation</i> , 2014 , 23, 726-36	1.8	9
134	The impact of cardiac surgery on cognition. <i>Stress and Health</i> , 2008 , 24, 249-266	3.7	9
133	The outcome of cardiac surgery in dialysis-dependent patients. <i>Heart Lung and Circulation</i> , 2005 , 14, 187-90		9
132	Lung volume reduction surgery in Australia and New Zealand. Six years on: registry report. <i>Chest</i> , 2003 , 124, 1443-50	5.3	9
131	Aspirin in coronary artery surgery: 1-year results of the Aspirin and Tranexamic Acid for Coronary Artery Surgery trial. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 , 157, 633-640	1.5	9
130	ChainMail based neural dynamics modeling of soft tissue deformation for surgical simulation. <i>Technology and Health Care</i> , 2017 , 25, 231-239	1.1	8

129	Energy propagation modeling of nonlinear soft tissue deformation for surgical simulation. <i>Simulation</i> , 2018 , 94, 3-10	1.2	8
128	Effects on cognition of conventional and robotically assisted cardiac valve operation. <i>Annals of Thoracic Surgery</i> , 2014 , 97, 48-55	2.7	8
127	Correlation of selection scores with subsequent assessment scores during surgical training. <i>ANZ Journal of Surgery</i> , 2013 , 83, 412-6	1	8
126	Introduction of universal prestorage leukodepletion of blood components, and outcomes in transfused cardiac surgery patients. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015 , 150, 216-22	1.5	8
125	A propensity-score matched analysis on the impact of postoperative atrial fibrillation on the early and late outcomes after concomitant aortic valve replacement and coronary artery bypass graft surgery. <i>Journal of Cardiovascular Medicine</i> , 2014 , 15, 199-206	1.9	8
124	Training surgeon status is not associated with an increased risk of early or late mortality after isolated aortic valve replacement surgery. <i>Cardiology Journal</i> , 2014 , 21, 183-90	1.4	8
123	Impact of patient blood management guidelines on blood transfusions and patient outcomes during cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 , 160, 437-445.e20	1.5	8
122	Global perspectives on cardiothoracic, cardiovascular, and cardiac surgical training. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 ,	1.5	8
121	Dexamethasone for Cardiac Surgery trial (DECS-II): Rationale and a novel, practice preference-randomized consent design. <i>American Heart Journal</i> , 2018 , 204, 52-57	4.9	8
120	Novel Application of the Pfirrmann Disc Degeneration Grading System to 9.4T MRI: Higher Reliability Compared to 3T MRI. <i>Spine</i> , 2019 , 44, E766-E773	3.3	7
119	Impact of renal function in patients with multi-vessel coronary disease on long-term mortality following coronary artery bypass grafting compared with percutaneous coronary intervention. <i>International Journal of Cardiology</i> , 2014 , 172, 442-9	3.2	7
118	Validity of a screening tool for detecting subtle cognitive impairment in the middle-aged and elderly. <i>Clinical Interventions in Aging</i> , 2014 , 9, 2165-76	4	7
117	Technique and results of cardiac transplantation using "domino-donor" hearts. <i>Journal of Cardiac Surgery</i> , 1991 , 6, 381-6	1.3	7
116	Prediction of tissue thermal damage. <i>Technology and Health Care</i> , 2016 , 24 Suppl 2, S625-9	1.1	7
115	The Real-World Cost-Effectiveness of Coronary Artery Bypass Surgery Versus Stenting in High-Risk Patients: Propensity Score-Matched Analysis of a Single-Centre Experience. <i>Applied Health Economics and Health Policy</i> , 2018 , 16, 661-674	3.4	6
114	Surgical aortic valve replacement in Australia, 2002-2015: temporal changes in clinical practice, patient profiles and outcomes. <i>ANZ Journal of Surgery</i> , 2019 , 89, 1061-1067	1	6
113	Non-Fourier based thermal-mechanical tissue damage prediction for thermal ablation. <i>Bioengineered</i> , 2017 , 8, 71-77	5.7	6
112	Impact of smoking status on outcomes after concomitant aortic valve replacement and coronary artery bypass graft surgery. <i>Thoracic and Cardiovascular Surgeon</i> , 2014 , 62, 52-9	1.6	6

111	Does the addition of a radial artery graft improve survival after higher risk coronary artery bypass grafting? A propensity-score analysis of a multicentre database. <i>European Journal of Cardio-thoracic Surgery</i> , 2013 , 44, 497-504; discussion 504-5	3	6
110	Minimally invasive right heart operations: techniques for bicaval occlusion and cardioplegia. <i>Annals of Thoracic Surgery</i> , 1997 , 64, 1843-5	2.7	6
109	Developing performance indicators for cardiac surgery: a demonstration project in Victoria. <i>Heart Lung and Circulation</i> , 2001 , 10, S29-33	1.8	6
108	A simplified method of harvesting and dilating the radial artery achieves acceptable clinical outcomes. <i>ANZ Journal of Surgery</i> , 2000 , 70, 366-70	1	6
107	Evaluation of a miniature antimony electrode for measurement of myocardial pH. <i>Journal of Medical Engineering and Technology</i> , 1999 , 23, 119-26	1.8	6
106	Machine Learning Algorithms for Predicting and Risk Profiling of Cardiac Surgery-Associated Acute Kidney Injury. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2021 , 33, 735-745	1.7	6
105	A NEW PARAMETER ESTIMATION METHOD FOR ONLINE SOFT TISSUE CHARACTERIZATION. <i>Journal of Mechanics in Medicine and Biology</i> , 2016 , 16, 1640019	0.7	6
104	Thirty-day outcomes in Indigenous Australians following coronary artery bypass grafting. <i>Internal Medicine Journal</i> , 2018 , 48, 780-785	1.6	5
103	A vision-based measurement algorithm for micro/nano manipulation 2013 ,		5
102	The Chronobiology of Stanford Type A Aortic Dissections: A Comparison of Northern versus Southern Hemispheres. <i>Aorta</i> , 2015 , 3, 182-6	0.9	5
101	Pattern of activin A and follistatin release in a sheep model of cardiopulmonary bypass. <i>Cytokine</i> , 2011 , 54, 154-60	4	5
100	Rural surgeons' attitudes towards and usage of evidence-based medicine in rural surgical practice. <i>Journal of Evaluation in Clinical Practice</i> , 2011 , 17, 678-83	2.5	5
99	Analysis of early and late outcomes after concomitant aortic valve replacement and coronary artery bypass graft surgery in octogenarians: a multi-institutional Australian study. <i>Journal of the American Geriatrics Society</i> , 2011 , 59, 1759-61	5.6	5
98	Simulation of deformable models with the Poisson equation. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2006 , 9, 289-304	2.1	5
97	Impact of left ventricular dysfunction on early and late outcomes in patients undergoing concomitant aortic valve replacement and coronary artery bypass graft surgery. <i>Cardiology Journal</i> , 2013 , 20, 423-30	1.4	5
96	Aspirin before Coronary Artery Surgery. <i>New England Journal of Medicine</i> , 2016 , 375, 91-2	59.2	5
95	Local deformation for soft tissue simulation. <i>Bioengineered</i> , 2016 , 7, 291-297	5.7	4
94	Early Outcomes of Sutureless Aortic Valve Replacement With the Perceval S Bioprosthesis. <i>Heart Lung and Circulation</i> , 2019 , 28, 970-976	1.8	4

93	Combined cardiac and lung volume reduction surgery. <i>Thoracic Surgery Clinics</i> , 2009 , 19, 217-21, viii-ix	3.1	4
92	Bariatric surgery in Australia: who, why and how?. <i>ANZ Journal of Surgery</i> , 2007 , 77, 727-32	1	4
91	A reaction-diffusion methodology for soft object simulation 2006 ,		4
90	Robust Adaptive Motion Tracking Control of Piezoelectric Actuation Systems for Micro/Nano Manipulation. <i>Proceedings - IEEE International Conference on Robotics and Automation</i> , 2007 ,		4
89	Outcomes of coronary artery bypass grafting: a 3 year analysis using the Society of Thoracic Surgeons Database. <i>Heart Lung and Circulation</i> , 2000 , 9, 5-8	1.8	4
88	Bridging to cardiac transplantation with the novacor left ventricular assist system. <i>The Asia Pacific Journal of Thoracic & Cardiovascular Surgery</i> , 1994 , 3, 17-24		4
87	Retransplantation in heart-lung recipients with obliterative bronchiolitis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1995 , 109, 818	1.5	4
86	Feasibility Study of Robust Neural Network Motion Tracking Control of Piezoelectric Actuation Systems for Micro/Nano Manipulation 2007 , 5-19		4
85	Hypoxia as a Biomarker of Kidney Disease 2016 , 83-105		4
84	Off- vs. On-Pump Coronary Artery Bypass Grafting Long-Term Survival is Driven by Incompleteness of Revascularisation. <i>Heart Lung and Circulation</i> , 2020 , 29, 149-155	1.8	4
83	A Small Cohort Omega-3 PUFA Supplement Study: Implications of Stratifying According to Lipid Membrane Incorporation in Cardiac Surgical Patients. <i>Heart Lung and Circulation</i> , 2017 , 26, 846-855	1.8	3
82	Dynamic four-dimensional computed tomography (4D CT) imaging for re-entry risk assessment in re-do sternotomy - first experience. <i>Heart Lung and Circulation</i> , 2015 , 24, 1011-9	1.8	3
81	Transesophageal Echocardiography Guidance of Antegrade Cardioplegia Delivery for Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015 , 29, 1498-503	2.1	3
80	Six-Month Outcomes After High-Risk Coronary Artery Bypass Graft Surgery and Preoperative Intra-aortic Balloon Counterpulsation Use: An Inception Cohort Study. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018 , 32, 2067-2073	2.1	3
79	ThermalMechanical-Based Soft Tissue Deformation for Surgery Simulation. <i>Advanced Robotics</i> , 2010 , 24, 1719-1739	1.7	3
78	Training in mitral valve surgery need not affect early outcomes and midterm survival: a multicentre analysis. <i>European Journal of Cardio-thoracic Surgery</i> , 2011 , 40, 826-33	3	3
77	Neoaortic root dilatation with saccular aneurysm formation after the arterial switch operation for Taussig-Bing anomaly. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007 , 133, 569-72	1.5	3
76	Urgent and emergency coronary artery bypass grafting for acute coronary syndromes. <i>ANZ Journal of Surgery</i> , 2006 , 76, 769-73	1	3

75	Towards a Statewide Cardiac Surgery Database: the Victorian initiative. <i>Heart Lung and Circulation</i> , 2001 , 10, S26-8	1.8	3
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