

Serenella Castelvechio

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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.

96
papers

2,903
citations

28
h-index

52
g-index

108
ext. papers

3,441
ext. citations

3.5
avg, IF

4.86
L-index

#	Paper	IF	Citations
96	Tricuspid annular plane systolic excursion and pulmonary arterial systolic pressure relationship in heart failure: an index of right ventricular contractile function and prognosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 305, H1373-81	5.2	282
95	Risk of assessing mortality risk in elective cardiac operations: age, creatinine, ejection fraction, and the law of parsimony. <i>Circulation</i> , 2009 , 119, 3053-61	16.7	251
94	Major bleeding, transfusions, and anemia: the deadly triad of cardiac surgery. <i>Annals of Thoracic Surgery</i> , 2013 , 96, 478-85	2.7	193
93	MicroRNA dysregulation in diabetic ischemic heart failure patients. <i>Diabetes</i> , 2012 , 61, 1633-41	0.9	168
92	Surgical therapy for ischemic heart failure: single-center experience with surgical anterior ventricular restoration. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007 , 134, 433-41	1.5	155
91	Long noncoding RNA dysregulation in ischemic heart failure. <i>Journal of Translational Medicine</i> , 2016 , 14, 183	8.5	138
90	Clinical efficacy of ivabradine in patients with inappropriate sinus tachycardia: a prospective, randomized, placebo-controlled, double-blind, crossover evaluation. <i>Journal of the American College of Cardiology</i> , 2012 , 60, 1323-9	15.1	105
89	Impact of preoperative anemia on outcome in adult cardiac surgery: a propensity-matched analysis. <i>Annals of Thoracic Surgery</i> , 2012 , 94, 1134-41	2.7	90
88	Left ventricular geometry in normal and post-anterior myocardial infarction patients: sphericity index and QewQonicity index comparisons. <i>European Journal of Cardio-thoracic Surgery</i> , 2006 , 29 Suppl 1, S225-30	3	84
87	Hematocrit on cardiopulmonary bypass and outcome after coronary surgery in nontransfused patients. <i>Annals of Thoracic Surgery</i> , 2010 , 89, 11-7	2.7	73
86	End-systolic volume following surgical ventricular reconstruction impacts survival in patients with ischaemic dilated cardiomyopathy. <i>European Journal of Heart Failure</i> , 2010 , 12, 375-81	12.3	65
85	Accuracy, calibration and clinical performance of the new EuroSCORE II risk stratification system. <i>European Journal of Cardio-thoracic Surgery</i> , 2013 , 43, 27-32	3	60
84	Predicting transfusions in cardiac surgery: the easier, the better: the Transfusion Risk and Clinical Knowledge score. <i>Vox Sanguinis</i> , 2009 , 96, 324-32	3.1	59
83	The easier, the better: age, creatinine, ejection fraction score for operative mortality risk stratification in a series of 29,659 patients undergoing elective cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011 , 142, 581-6	1.5	57
82	Increased BACE1-AS long noncoding RNA and amyloid levels in heart failure. <i>Cardiovascular Research</i> , 2017 , 113, 453-463	9.9	51
81	A randomized controlled trial of preoperative intra-aortic balloon pump in coronary patients with poor left ventricular function undergoing coronary artery bypass surgery*. <i>Critical Care Medicine</i> , 2013 , 41, 2476-83	1.4	50
80	Surgical ventricular restoration: left ventricular shape influence on cardiac function, clinical status, and survival. <i>Annals of Thoracic Surgery</i> , 2009 , 87, 455-61	2.7	50

79	Acute kidney injury in patients undergoing cardiac surgery and coronary angiography on the same day. <i>Annals of Thoracic Surgery</i> , 2013 , 95, 513-9	2.7	42
78	Severity of Remodeling, Myocardial Viability, and Survival in Ischemic LV Dysfunction After Surgical Revascularization. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 1121-1129	8.4	38
77	Association of gender and lowest hematocrit on cardiopulmonary bypass with acute kidney injury and operative mortality in patients undergoing cardiac surgery. <i>Annals of Thoracic Surgery</i> , 2013 , 96, 133-40	2.7	38
76	Impact of surgical ventricular restoration on diastolic function: implications of shape and residual ventricular size. <i>Annals of Thoracic Surgery</i> , 2008 , 86, 1849-54	2.7	38
75	Effectiveness of surgical ventricular restoration in patients with dilated ischemic cardiomyopathy and unrepaired mild mitral regurgitation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007 , 134, 1548-53	1.5	38
74	Postoperative hypoxia and length of intensive care unit stay after cardiac surgery: the underweight paradox?. <i>PLoS ONE</i> , 2014 , 9, e93992	3.7	35
73	Importance of angina in patients with coronary disease, heart failure, and left ventricular systolic dysfunction: insights from STICH. <i>Journal of the American College of Cardiology</i> , 2015 , 66, 2092-2100	15.1	31
72	Thienopyridines resistance and recovery of platelet function after discontinuation of thienopyridines in cardiac surgery patients. <i>European Journal of Cardio-thoracic Surgery</i> , 2014 , 45, 165-70 ³		31
71	Functional ischemic mitral regurgitation in anterior ventricular remodeling: results of surgical ventricular restoration with and without mitral repair. <i>Heart Failure Reviews</i> , 2004 , 9, 317-27	5	31
70	Role of psoriasis as independent predictor of cardiovascular disease: a meta-regression analysis. <i>International Journal of Cardiology</i> , 2013 , 168, 2282-8	3.2	29
69	Interleukin-15 and soluble interleukin-15 receptor β in coronary artery disease patients: association with epicardial fat and indices of adipose tissue distribution. <i>PLoS ONE</i> , 2014 , 9, e90960	3.7	29
68	Surgical ventricular restoration to reverse left ventricular remodeling. <i>Current Cardiology Reviews</i> , 2010 , 6, 15-23	2.4	25
67	Impact of right ventricular dysfunction on the outcome of heart failure patients undergoing surgical ventricular reconstruction \square <i>European Journal of Cardio-thoracic Surgery</i> , 2015 , 47, 333-40; discussion 340	3	24
66	Surgical and transcatheter aortic valve procedures. The limits of risk scores. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2010 , 11, 138-41	1.8	23
65	Impact of surgical ventricular reconstruction on stroke volume in patients with ischemic cardiomyopathy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010 , 140, 1325-31.e1-2	1.5	22
64	Long-term results of sequential vein coronary artery bypass grafting compared with totally arterial myocardial revascularization: a propensity score-matched follow-up study \square <i>European Journal of Cardio-thoracic Surgery</i> , 2014 , 46, 1006-13; discussion 1013	3	21
63	Postoperative anemia and exercise tolerance after cardiac operations in patients without transfusion: what hemoglobin level is acceptable?. <i>Annals of Thoracic Surgery</i> , 2011 , 92, 25-31	2.7	20
62	An adjusted EuroSCORE model for high-risk cardiac patients. <i>European Journal of Cardio-thoracic Surgery</i> , 2009 , 36, 791-7	3	20

61	Sex Difference in Patients With Ischemic Heart Failure Undergoing Surgical Revascularization: Results From the STICH Trial (Surgical Treatment for Ischemic Heart Failure). <i>Circulation</i> , 2018 , 137, 771-780	16.7	19
60	Accuracy, calibration and clinical performance of the EuroSCORE: can we reduce the number of variables?. <i>European Journal of Cardio-thoracic Surgery</i> , 2010 , 37, 724-9	3	19
59	Mitraclip procedure as a bridge therapy in a patient with heart failure listed for heart transplantation. <i>Annals of Thoracic Surgery</i> , 2015 , 99, 1796-9	2.7	17
58	Clinical characteristics and outcomes of patients with and without diabetes in the Surgical Treatment for Ischemic Heart Failure (STICH) trial. <i>European Journal of Heart Failure</i> , 2015 , 17, 725-34	12.3	17
57	Intensive care unit admission parameters improve the accuracy of operative mortality predictive models in cardiac surgery. <i>PLoS ONE</i> , 2010 , 5, e13551	3.7	16
56	CABG Improves Outcomes in Patients With Ischemic Cardiomyopathy: 10-Year Follow-Up of the STICH Trial. <i>JACC: Heart Failure</i> , 2019 , 7, 878-887	7.9	15
55	Left ventricular reconstruction concomitant to coronary artery bypass grafting: when and how?. <i>Current Opinion in Cardiology</i> , 2011 , 26, 523-7	2.1	15
54	Perioperative heart failure in coronary surgery and timing of intra-aortic balloon pump insertion. <i>Acta Anaesthesiologica Scandinavica</i> , 2010 , 54, 878-84	1.9	15
53	Effects of surgical ventricular reconstruction on diastolic function at midterm follow-up. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010 , 140, 285-291.e1	1.5	15
52	Successful concomitant treatment of a coronary-to-pulmonary artery fistula and a left anterior descending artery stenosis using a single covered stent graft: a case report and literature review. <i>Journal of Interventional Cardiology</i> , 2002 , 15, 209-13	1.8	14
51	Myocardial reconstruction in ischaemic cardiomyopathy. <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 55, i49-i56	3	13
50	Transfusions during cardiopulmonary bypass: better when triggered by venous oxygen saturation and oxygen extraction rate. <i>Perfusion (United Kingdom)</i> , 2011 , 26, 327-33	1.9	13
49	Mitral regurgitation in heart failure: insights from CPET combined with exercise echocardiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2017 , 18, 296-303	4.1	12
48	Surgical ventricular restoration plus mitral valve repair in patients with ischaemic heart failure: risk factors for early and mid-term outcomes. <i>European Journal of Cardio-thoracic Surgery</i> , 2016 , 49, e72-8; discussion e78-9	3	12
47	Surgical ventricular restoration: is there any difference in outcome between anterior and posterior remodeling?. <i>Annals of Thoracic Surgery</i> , 2015 , 99, 552-9	2.7	12
46	Assessing QT interval in COVID-19 patients: safety of hydroxychloroquine-azithromycin combination regimen. <i>International Journal of Cardiology</i> , 2021 , 324, 242-248	3.2	12
45	Myocardial scar location as detected by cardiac magnetic resonance is associated with the outcome in heart failure patients undergoing surgical ventricular reconstruction. <i>European Journal of Cardio-thoracic Surgery</i> , 2018 , 53, 143-149	3	11
44	Renal function changes and seasonal temperature in patients undergoing cardiac surgery. <i>Chronobiology International</i> , 2014 , 31, 175-81	3.6	11

43	Surgical treatment of ischemic heart failure: the Dor procedure. <i>Circulation Journal</i> , 2009 , 73 Suppl A, A1-5	2.9	11
42	Management of mini-cardiopulmonary bypass devices: is it worth the energy?. <i>Current Opinion in Anaesthesiology</i> , 2009 , 22, 78-83	2.9	11
41	Surgical ventricular reconstruction for ischaemic heart failure: state of the art. <i>European Heart Journal Supplements</i> , 2016 , 18, E8-E14	1.5	11
40	Restrictive filling pattern in ischemic cardiomyopathy: Insights after surgical ventricular restoration. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 , 161, 651-660	1.5	11
39	Patterns and determinants of functional and absolute iron deficiency in patients undergoing cardiac rehabilitation following heart surgery. <i>European Journal of Preventive Cardiology</i> , 2017 , 24, 799-807	3.9	9
38	Feasibility of defibrillation and automatic arrhythmia detection using an exclusively subcutaneous defibrillator system in canines. <i>Journal of Cardiovascular Electrophysiology</i> , 2013 , 24, 77-82	2.7	9
37	Living without aprotinin: the results of a 5-year blood saving program in cardiac surgery. <i>Acta Anaesthesiologica Scandinavica</i> , 2009 , 53, 573-80	1.9	9
36	In search of the ideal risk-scoring system for very high-risk cardiac surgical patients: a two-stage approach. <i>Journal of Cardiothoracic Surgery</i> , 2016 , 11, 13	1.6	8
35	Baseline left ventricular volume and shape as determinants of reverse remodeling induced by surgical ventricular reconstruction. <i>Annals of Thoracic Surgery</i> , 2011 , 92, 1565-71	2.7	7
34	Myocardial Revascularization for Patients With Diabetes: Coronary Artery Bypass Grafting or Percutaneous Coronary Intervention?. <i>Annals of Thoracic Surgery</i> , 2016 , 102, 1012-1022	2.7	7
33	Development and validation of a risk score for predicting operative mortality in heart failure patients undergoing surgical ventricular reconstruction. <i>European Journal of Cardio-thoracic Surgery</i> , 2015 , 47, e199-205	3	6
32	Longitudinal profile of NT-proBNP levels in ischemic heart failure patients undergoing surgical ventricular reconstruction: The Biomarker Plus study. <i>International Journal of Cardiology</i> , 2018 , 260, 24-30 ²	3.0 ²	6
31	The additional prognostic value of left atrial volume on the outcome of patients after surgical ventricular reconstruction. <i>Annals of Thoracic Surgery</i> , 2013 , 95, 141-7	2.7	4
30	Right ventricular pulmonary hypertension. <i>Current Heart Failure Reports</i> , 2012 , 9, 303-8	2.8	4
29	Left ventricular reconstruction: update to left ventricular aneurysm/reshaping techniques. <i>Multimedia Manual of Cardiothoracic Surgery: MMCTS / European Association for Cardio-Thoracic Surgery</i> , 2013 , 2013, mmt002	0.2	4
28	Clinical Course of COVID-19 Infection in Patients Urgently Operated of Cardiac Surgical Procedures. <i>Annals of Surgery</i> , 2020 , 272, e275-e279	7.8	4
27	Elucidating the mechanisms underlying left ventricular function recovery in patients with ischemic heart failure undergoing surgical remodeling: A 3-dimensional ultrasound analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 ,	1.5	4
26	Effects of red blood cell transfusions on exercise tolerance and rehabilitation time after cardiac surgery. <i>Transfusion and Apheresis Science</i> , 2011 , 45, 299-303	2.4	3

25	Comparison of morbidity and mortality in diabetics versus nondiabetics having isolated coronary bypass versus coronary bypass plus valve operations versus isolated valve operations. <i>American Journal of Cardiology</i> , 2011 , 107, 535-9	3	3
24	Diabetes mellitus and long-term outcome in heart failure patients after surgical ventricular restoration. <i>Annals of Thoracic Surgery</i> , 2009 , 88, 1451-6	2.7	3
23	N-terminal pro-brain natriuretic peptide and outcomes in patients undergoing surgical ventricular restoration. <i>American Journal of Cardiology</i> , 2010 , 105, 640-4	3	3
22	Redistribution of cardiac output during exercise by functional mitral regurgitation in heart failure: compensatory O peripheral uptake to delivery failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020 , 319, H100-H108	5.2	3
21	Long-term results of suture annuloplasty for degenerative mitral valve disease: a propensity-matched analysis. <i>Journal of Cardiovascular Medicine</i> , 2018 , 19, 22-28	1.9	3
20	Atypical myocardial delayed enhancement after surgical ventricle restoration. <i>European Journal of Radiology</i> , 2012 , 81, e292-7	4.7	2
19	Letter by Ranucci et al regarding article, "Comparison between transcatheter and surgical prosthetic valve implantation in patients with severe aortic stenosis and reduced left ventricular ejection fraction". <i>Circulation</i> , 2011 , 124, e205; author reply e207-8	16.7	2
18	Successful Double Percutaneous Alcohol and Coil Embolization of Bilateral Coronary-to-Pulmonary Artery Fistulas. <i>Journal of Interventional Cardiology</i> , 2000 , 13, 209-213	1.8	2
17	The Monitoring of Psychosocial Factors During Hospitalization Before and After Cardiac Surgery Until Discharge From Cardiac Rehabilitation: A Research Protocol. <i>Frontiers in Psychology</i> , 2020 , 11, 2202 ^{3,4}		2
16	Prognostic value of natriuretic peptides and restrictive filling pattern before surgical ventricular restoration. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 ,	1.5	2
15	Comparable outcomes between genders in patients undergoing surgical ventricular reconstruction for ischaemic heart failure. <i>ESC Heart Failure</i> , 2021 , 8, 291-299	3.7	2
14	CABG in patients with left ventricular dysfunction: indications, techniques and outcomes. <i>Indian Journal of Thoracic and Cardiovascular Surgery</i> , 2018 , 34, 279-286	0.4	2
13	Recoupling of right and left ventricle pump function after surgical ventricle restoration: a cardiac magnetic resonance study. <i>International Journal of Cardiovascular Imaging</i> , 2015 , 31, 813-20	2.5	1
12	Ischemic mitral regurgitation: Repair the valve, reshape the ventricle, or both?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015 , 150, 1666	1.5	1
11	Surgical ventricular restoration and mitral valve replacement in a pediatric patient with complex congenital heart disease and malignant ventricular arrhythmias. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 , 158, e189-e191	1.5	1
10	The role of surgical technique in determining the outcome of left ventricular reconstruction: a difficult assessment. <i>European Journal of Cardio-thoracic Surgery</i> , 2009 , 35, 1111; author reply 1111-2	3	1
9	Addressing the Left Ventricle in Functional Mitral Regurgitation 2017 , 115-128		1
8	Results of surgical ventricular reconstruction in a specialized center and in comparison to the STICH trial: Rationale and study protocol for a patient-level pooled analysis. <i>Journal of Cardiac Surgery</i> , 2021 , 36, 689-692	1.3	1

- 7 Multimodality cardiac imaging at IRCCS Policlinico San Donato: a new interdisciplinary vision. *European Heart Journal Supplements*, **2016**, 18, E27-E30 1.5
- 6 The authors reply. *Critical Care Medicine*, **2014**, 42, e729-30 1.4
- 5 The authors reply. *Critical Care Medicine*, **2014**, 42, e247-8 1.4
- 4 Reply: To PMID 23201106. *Annals of Thoracic Surgery*, **2013**, 96, 2290 2.7
- 3 Reply: To PMID 23673070. *Annals of Thoracic Surgery*, **2014**, 97, 736 2.7
- 2 Cirugía de restauración ventricular para revertir el remodelado del ventrículo izquierdo. *Cirugía Cardiovascular*, **2011**, 18, 163-173 0.1
- 1 The Role of Cardiac Magnetic Resonance in Selecting Patients with Left Ventricular Dysfunction Undergoing Surgical Ventricular Reconstruction. *Contributions To Statistics*, **2013**, 113-121 0.1