

# Manuel Castella

## List of Publications by Year in descending order

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Version: 2024-02-01

74  
papers

18,487  
citations

236925

25  
h-index

79698

73  
g-index

84  
all docs

84  
docs citations

84  
times ranked

17339  
citing authors

#	ARTICLE	IF	CITATIONS
1	2016 ESC Guidelines for the management of atrial fibrillation developed in collaboration with EACTS. European Heart Journal, 2016, 37, 2893-2962.	2.2	5,689
2	2020 ESC Guidelines for the diagnosis and management of atrial fibrillation developed in collaboration with the European Association for Cardio-Thoracic Surgery (EACTS). European Heart Journal, 2021, 42, 373-498.	2.2	5,583
3	2016 ESC Guidelines for the management of atrial fibrillation developed in collaboration with EACTS. Europace, 2016, 18, 1609-1678.	1.7	3,523
4	2016 ESC Guidelines for the management of atrial fibrillation developed in collaboration with EACTS. European Journal of Cardio-thoracic Surgery, 2016, 50, e1-e88.	1.4	754
5	Atrial Fibrillation Catheter Ablation Versus Surgical Ablation Treatment (FAST). Circulation, 2012, 125, 23-30.	1.6	357
6	Clinical features, ventilatory management, and outcome of ARDS caused by COVID-19 are similar to other causes of ARDS. Intensive Care Medicine, 2020, 46, 2200-2211.	8.2	295
7	2017 EACTS Guidelines on perioperative medication in adult cardiac surgery. European Journal of Cardio-thoracic Surgery, 2018, 53, 5-33.	1.4	292
8	2016 ESC Guidelines for the Management of Atrial Fibrillation Developed in Collaboration With EACTS. Revista Espanola De Cardiologia (English Ed ), 2017, 70, 50.	0.6	280
9	Integrating new approaches to atrial fibrillation management: the 6th AFNET/EHRA Consensus Conference. Europace, 2018, 20, 395-407.	1.7	95
10	Association of Myocardial T1-Mapping CMR With Hemodynamics and RV Performance in Pulmonary Hypertension. JACC: Cardiovascular Imaging, 2015, 8, 76-82.	5.3	71
11	The Structure and Function of the Helical Heart and Its Buttress Wrapping. IV. Concepts of Dynamic Function From the Normal Macroscopic Helical Structure. Seminars in Thoracic and Cardiovascular Surgery, 2001, 13, 342-357.	0.6	62
12	Structure/function interface with sequential shortening of basal and apical components of the myocardial band. European Journal of Cardio-thoracic Surgery, 2006, 29, S75-S97.	1.4	42
13	Epidemiology, Clinical Features, and Outcome of Infective Endocarditis due to Abiotrophia Species and Granulicatella Species: Report of 76 Cases, 2000-2015. Clinical Infectious Diseases, 2018, 66, 104-111.	5.8	40
14	Thoracoscopic vs. catheter ablation for atrial fibrillation: long-term follow-up of the FAST randomized trial. Europace, 2019, 21, 746-753.	1.7	39
15	Beta-3 adrenergic agonists reduce pulmonary vascular resistance and improve right ventricular performance in a porcine model of chronic pulmonary hypertension. Basic Research in Cardiology, 2016, 111, 49.	5.9	36
16	Mechanical Thrombectomy for Acute Ischemic Stroke Secondary to Infective Endocarditis. Clinical Infectious Diseases, 2018, 66, 1286-1289.	5.8	36
17	Efficacy of dexamethasone treatment for patients with the acute respiratory distress syndrome caused by COVID-19: study protocol for a randomized controlled superiority trial. Trials, 2020, 21, 717.	1.6	35
18	Swine Model of Chronic Postcapillary Pulmonary Hypertension with Right Ventricular Remodeling: Long-Term Characterization by Cardiac Catheterization, Magnetic Resonance, and Pathology. Journal of Cardiovascular Translational Research, 2014, 7, 494-506.	2.4	34

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19	Conditioned blood reperfusion markedly enhances neurologic recovery after prolonged cerebral ischemia. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2003, 126, 1851-1858.	0.8	31
20	Active myocyte shortening during the "isovolumetric relaxation" phase of diastole is responsible for ventricular suction; "systolic ventricular filling". <i>European Journal of Cardio-thoracic Surgery</i> , 2006, 29, S98-S106.	1.4	31
21	Acute limb ischemia due to embolization of biological glue after repair of type A aortic dissection. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2005, 4, 329-331.	1.1	29
22	Neurologic Preservation by Na <sup>+</sup> -H <sup>+</sup> Exchange Inhibition Prior to 90 Minutes of Hypothermic Circulatory Arrest. <i>Annals of Thoracic Surgery</i> , 2005, 79, 646-654.	1.3	29
23	SARS-CoV-2-induced Acute Respiratory Distress Syndrome: Pulmonary Mechanics and Gas-Exchange Abnormalities. <i>Annals of the American Thoracic Society</i> , 2020, 17, 1164-1168.	3.2	28
24	Anatomic aspects of the atrioventricular junction influencing radiofrequency Cox maze IV procedures. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008, 136, 419-423.	0.8	26
25	Thoracoscopic pulmonary vein isolation in patients with atrial fibrillation and failed percutaneous ablation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010, 140, 633-638.	0.8	26
26	Mitroflow pericardial bioprosthesis: Clinical performance to ten years. <i>Annals of Thoracic Surgery</i> , 1995, 60, S305-S310.	1.3	24
27	The evolution of the ventilatory ratio is a prognostic factor in mechanically ventilated COVID-19 ARDS patients. <i>Critical Care</i> , 2021, 25, 331.	5.8	23
28	Outcome of heart transplantation in patients previously infected with hepatitis C virus. <i>Journal of Heart and Lung Transplantation</i> , 2001, 20, 595-598.	0.6	21
29	Elective cardiac surgery using Celsior or St. Thomas No. 2 solution: a prospective, single-center, randomized pilot study. <i>European Journal of Cardio-thoracic Surgery</i> , 2007, 32, 501-506.	1.4	21
30	Structure function interface with sequential shortening of basal and apical components of the myocardial band. <i>European Journal of Cardio-thoracic Surgery</i> , 2005, 27, 980-987.	1.4	20
31	Effects of cryopreservation on the immunogenicity of porcine arterial allografts in early stages of transplant vasculopathy. <i>Cryobiology</i> , 2005, 51, 130-141.	0.7	20
32	Mitroflow pericardial bioprosthesis experience in aortic valve replacement >60 years of age. <i>Annals of Thoracic Surgery</i> , 1998, 66, S53-S56.	1.3	19
33	Hemolysis in Mechanical Bileaflet Prostheses: Experience With the Bicarbon Valve. <i>Annals of Thoracic Surgery</i> , 2006, 81, 1291-1296.	1.3	18
34	One-year mortality after ICU admission due to COVID-19 infection. <i>Intensive Care Medicine</i> , 2022, 48, 366-368.	8.2	18
35	Entrapment of the circular mapping catheter in the mitral valve in two patients undergoing atrial fibrillation ablation. <i>Europace</i> , 2011, 13, 132-133.	1.7	16
36	Tratamiento médico y quirúrgico de la hipertensión pulmonar tromboembólica crónica: experiencia en un único centro. <i>Archivos De Bronconeumología</i> , 2014, 50, 521-527.	0.8	16

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37	Myocyte and endothelial effects of preconditioning the jeopardized heart by inhibiting Na <sup>+</sup> /H <sup>+</sup> exchange. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2002, 124, 1113-1121.	0.8	15
38	Diastolic dysfunction in stunned myocardium: a state of abnormal excitation-contraction coupling that is limited by Na <sup>+</sup> -H <sup>+</sup> exchange inhibition. <i>European Journal of Cardio-thoracic Surgery</i> , 2006, 29, S107-S114.	1.4	15
39	A new role for cardioplegic buffering: should acidosis or calcium accumulation be counteracted to salvage jeopardized hearts?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2003, 126, 1442-1448.	0.8	12
40	Blood cardioplegic protection in profoundly damaged hearts: role of Na <sup>+</sup> -H <sup>+</sup> exchange inhibition during pretreatment or during controlled reperfusion supplementation. <i>Annals of Thoracic Surgery</i> , 2003, 75, 1238-1245.	1.3	11
41	Reduction of systolic and diastolic dysfunction by retrograde coronary sinus perfusion during off-pump coronary surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2004, 127, 1018-1025.	0.8	11
42	Safety and feasibility of a novel adjustable mitral annuloplasty ring: a multicentre European experience. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 49, 249-254.	1.4	11
43	Protein network analyses of pulmonary endothelial cells in chronic thromboembolic pulmonary hypertension. <i>Scientific Reports</i> , 2021, 11, 5583.	3.3	10
44	Is it time to treat post-operative atrial fibrillation just like regular atrial fibrillation?. <i>European Heart Journal</i> , 2019, 41, 652-654a.	2.2	9
45	Derivation and characterisation of endothelial cells from patients with chronic thromboembolic pulmonary hypertension. <i>Scientific Reports</i> , 2021, 11, 18797.	3.3	9
46	Surgery for Hypertrophic Obstructive Cardiomyopathy: Comprehensive LVOT Management beyond Septal Myectomy. <i>Journal of Clinical Medicine</i> , 2021, 10, 4397.	2.4	8
47	Aortic Valve Replacement for Aortic Stenosis in Low-, Intermediate-, and High-Risk Patients: Preliminary Results From a Prospective Multicenter Registry. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020, 34, 2091-2099.	1.3	6
48	Medical and Surgical Management for Chronic Thromboembolic Pulmonary Hypertension: A Single Center Experience. <i>Archivos De Bronconeumologia</i> , 2014, 50, 521-527.	0.8	5
49	Methodology manual for European Association for Cardio-Thoracic Surgery (EACTS) clinical guidelines. <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 48, e373-379.	1.4	5
50	Decreased Glycolysis as Metabolic Fingerprint of Endothelial Cells in Chronic Thromboembolic Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 710-713.	2.9	5
51	Outcomes of Septal Myectomy beyond 65 Years, with and without Concomitant Procedures. <i>Journal of Clinical Medicine</i> , 2021, 10, 3499.	2.4	5
52	Current State of the Surgical Treatment of Atrial Fibrillation. <i>Cardiology Research and Practice</i> , 2011, 2011, 1-4.	1.1	4
53	Registro Español de Reparación Valvular 2013. <i>Cirugía Cardiovascular</i> , 2015, 22, 244-247.	0.1	4
54	A combined approach to treat heparin-induced thrombocytopenia before heart transplant. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2020, 31, 881-883.	1.1	4

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55	Effectiveness of vancomycin plus cloxacillin compared with vancomycin, cloxacillin and daptomycin single therapies in the treatment of methicillin-resistant and methicillin-susceptible <i>Staphylococcus aureus</i> in a rabbit model of experimental endocarditis. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 1539-1546.	3.0	4
56	Myxoid liposarcoma: an unusual primary cardiac tumour. <i>European Journal of Cardio-thoracic Surgery</i> , 2012, 42, 379-379.	1.4	3
57	Exclusion of the left atrial appendage with the TigerPaw II system: a word of caution. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2015, 21, iv256.	1.1	3
58	Closing the gap between type A and type B aortic dissections. <i>Current Opinion in Cardiology</i> , 2019, 34, 621-626.	1.8	3
59	Postoperative Quality of Life After Full-sternotomy and Ministernotomy Aortic Valve Replacement. <i>Annals of Thoracic Surgery</i> , 2023, 115, 1189-1196.	1.3	3
60	Bioprosthetic leaflet perforation due to repetitive trauma by overknotted sutures. <i>European Journal of Cardio-thoracic Surgery</i> , 2006, 29, 106-106.	1.4	2
61	Histologic Evidence of Transmurality Four Years After Bipolar Radiofrequency Cox-Maze IV. <i>Annals of Thoracic Surgery</i> , 2015, 100, 328.	1.3	2
62	Resultados inmediatos y a medio plazo de la reparación del prolapso mitral en un centro de referencia nacional. <i>Revista Espanola De Cardiologia</i> , 2021, 74, 462-464.	1.2	2
63	Transcatheter aortic valve implantation in patients with left main percutaneous coronary intervention. <i>Journal of Heart Valve Disease</i> , 2013, 22, 874-7.	0.5	2
64	Indicaciones de la cirugía en el tratamiento de las taquiarritmias. <i>Guías clínicas. Cirugía Cardiovascular</i> , 2010, 17, 143-152.	0.1	1
65	Surgical ablation in atrial fibrillation: in which patients?. <i>Heart</i> , 2013, 99, 888-892.	2.9	1
66	Atrial fibrillation surgery and mitral repair. <i>Journal of Visualized Surgery</i> , 2017, 3, 150-150.	0.2	1
67	The New 2016 European Society of Cardiology/European Association for Cardio-Thoracic Surgery Guidelines: Enough Guidance? Enough Evidence?. <i>European Journal of Cardio-thoracic Surgery</i> , 2018, 53, i9-i13.	1.4	1
68	Early and mid-term outcomes of mitral repair due to leaflet prolapse in a national referral center. <i>Revista Espanola De Cardiologia (English Ed )</i> , 2021, 74, 462-464.	0.6	1
69	Operative management of ascending aorta thrombus and bilateral pulmonary embolism in the setting of breast cancer. <i>Journal of Cardiac Surgery</i> , 2021, 36, 1550-1553.	0.7	1
70	<i>BAG3</i> Genetic Cardiomyopathy May Overlap Fulminant Myocarditis Clinical Findings. <i>Circulation: Heart Failure</i> , 2022, 15, e008443.	3.9	1
71	Ascending Aorta to Femoral Bypass with Cryopreserved Vascular Homografts. <i>Asian Cardiovascular and Thoracic Annals</i> , 1995, 3, 90-92.	0.5	0
72	Early degeneration of two different tricuspid bioprostheses in restrictive cardiomyopathy. <i>Journal of Cardiac Surgery</i> , 2020, 35, 482-484.	0.7	0

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73	Combined Heart and Liver Transplantation for Uhl's Anomaly: A Case Report. Transplantation Proceedings, 2021, 53, 2751-2753.	0.6	0
74	Impact of Bedside Re-Explorations in a Cardiovascular Surgery Intensive Care Unit Led by Surgeons. Journal of Clinical Medicine, 2021, 10, 4288.	2.4	0