Julie De Backer

List of Publications by Citations

193 papers	16,172 citations	52 h-index	126 g-index
215 ext. papers	20,017 ext. citations	6.1 avg, IF	5.92 L-index

#	Paper	IF	Citations
193	2015 ESC Guidelines for the management of infective endocarditis: The Task Force for the Management of Infective Endocarditis of the European Society of Cardiology (ESC). Endorsed by: European Association for Cardio-Thoracic Surgery (EACTS), the European Association of Nuclear Medicine (EANM). *European Heart Journal*, **2015**, 36, 3075-3128	9.5	2465
192	A syndrome of altered cardiovascular, craniofacial, neurocognitive and skeletal development caused by mutations in TGFBR1 or TGFBR2. *Nature Genetics*, **2005**, 37, 275-81	36.3	1302
191	The revised Ghent nosology for the Marfan syndrome. *Journal of Medical Genetics*, **2010**, 47, 476-85	5.8	1282
190	Aneurysm syndromes caused by mutations in the TGF-beta receptor. *New England Journal of Medicine*, **2006**, 355, 788-98	59.2	1243
189	2018 ESC Guidelines for the management of cardiovascular diseases during pregnancy. *European Heart Journal*, **2018**, 39, 3165-3241	9.5	735
188	The 2017 international classification of the Ehlers-Danlos syndromes. *American Journal of Medical Genetics, Part C: Seminars in Medical Genetics*, **2017**, 175, 8-26	3.1	730
187	Clinical practice guidelines for the care of girls and women with Turner syndrome: proceedings from the 2016 Cincinnati International Turner Syndrome Meeting. *European Journal of Endocrinology*, **2017**, 177, G1-G70	6.5	479
186	Effect of mutation type and location on clinical outcome in 1,013 probands with Marfan syndrome or related phenotypes and FBN1 mutations: an international study. *American Journal of Human Genetics*, **2007**, 81, 454-66	11	387
185	Atenolol versus losartan in children and young adults with Marfan's syndrome. *New England Journal of Medicine*, **2014**, 371, 2061-71	59.2	347
184	Mutations in the facilitative glucose transporter GLUT10 alter angiogenesis and cause arterial tortuosity syndrome. *Nature Genetics*, **2006**, 38, 452-7	36.3	303
183	2020 ESC Guidelines for the management of adult congenital heart disease. *European Heart Journal* , **2021**, 42, 563-645	9.5	290
182	Arterial tortuosity syndrome: clinical and molecular findings in 12 newly identified families. *Human Mutation*, **2008**, 29, 150-8	4.7	255
181	Effect of celiprolol on prevention of cardiovascular events in vascular Ehlers-Danlos syndrome: a prospective randomised, open, blinded-endpoints trial. *Lancet, The*, **2010**, 376, 1476-84	40	251
180	Circulating transforming growth factor-beta in Marfan syndrome. *Circulation*, **2009**, 120, 526-32	16.7	219
179	Early surgical experience with Loeys-Dietz: a new syndrome of aggressive thoracic aortic aneurysm disease. *Annals of Thoracic Surgery*, **2007**, 83, S757-63; discussion S785-90	2.7	208
178	Pregnancy in Women With a Mechanical Heart Valve: Data of the European Society of Cardiology Registry of Pregnancy and Cardiac Disease (ROPAC). *Circulation*, **2015**, 132, 132-42	16.7	196
177	Phenotypic spectrum of the SMAD3-related aneurysms-osteoarthritis syndrome. *Journal of Medical Genetics*, **2012**, 49, 47-57	5.8	189

176	Comprehensive molecular screening of the FBN1 gene favors locus homogeneity of classical Marfan syndrome. *Human Mutation*, **2004**, 24, 140-6	4.7	177
175	Strain rate imaging detects early cardiac effects of pegylated liposomal Doxorubicin as adjuvant therapy in elderly patients with breast cancer. *Journal of the American Society of Echocardiography*, **2008**, 21, 1283-9	5.8	146
174	Diagnosis, natural history, and management in vascular Ehlers-Danlos syndrome. *American Journal of Medical Genetics, Part C: Seminars in Medical Genetics*, **2017**, 175, 40-47	3.1	140
173	Heart failure in pregnant women with cardiac disease: data from the ROPAC. *Heart*, **2014**, 100, 231-8	5.1	133
172	FBN1: The disease-causing gene for Marfan syndrome and other genetic disorders. *Gene*, **2016**, 591, 279-291	3.8	129
171	Three arginine to cysteine substitutions in the pro-alpha (I)-collagen chain cause Ehlers-Danlos syndrome with a propensity to arterial rupture in early adulthood. *Human Mutation*, **2007**, 28, 387-95	4.7	121
170	Clinical and molecular study of 320 children with Marfan syndrome and related type I fibrillinopathies in a series of 1009 probands with pathogenic FBN1 mutations. *Pediatrics*, **2009**, 123, 391-8	7.4	120
169	Novel MYH11 and ACTA2 mutations reveal a role for enhanced TGFβ signaling in FTAAD. *International Journal of Cardiology*, **2013**, 165, 314-21	3.2	113
168	Comprehensive molecular analysis demonstrates type V collagen mutations in over 90% of patients with classic EDS and allows to refine diagnostic criteria. *Human Mutation*, **2012**, 33, 1485-93	4.7	113
167	Reference values for echocardiographic assessment of the diameter of the aortic root and ascending aorta spanning all age categories. *American Journal of Cardiology*, **2014**, 114, 914-20	3	112
166	Effects of age, gender, and left ventricular mass on septal mitral annulus velocity (E′) and the ratio of transmitral early peak velocity to E′(E/E′). *American Journal of Cardiology*, **2005**, 95, 1020-3	3	112
165	Aggressive cardiovascular phenotype of aneurysms-osteoarthritis syndrome caused by pathogenic SMAD3 variants. *Journal of the American College of Cardiology*, **2012**, 60, 397-403	15.1	110
164	International Registry of Patients Carrying TGFBR1 or TGFBR2 Mutations: Results of the MAC (Montalcino Aortic Consortium). *Circulation: Cardiovascular Genetics*, **2016**, 9, 548-558		105
163	Pulmonary hypertension and pregnancy outcomes: data from the Registry Of Pregnancy and Cardiac Disease (ROPAC) of the European Society of Cardiology. *European Journal of Heart Failure*, **2016**, 18, 1119-28	12.3	103
162	Cardiovascular manifestations in men and women carrying a FBN1 mutation. *European Heart Journal*, **2010**, 31, 2223-9	9.5	98
161	Pregnancy outcomes in women with cardiovascular disease: evolving trends over 10 years in the ESC Registry Of Pregnancy And Cardiac disease (ROPAC). *European Heart Journal*, **2019**, 40, 3848-3855	9.5	97
160	Clinical Validity of Genes for Heritable Thoracic Aortic Aneurysm and Dissection. *Journal of the American College of Cardiology*, **2018**, 72, 605-615	15.1	97
159	Primary impairment of left ventricular function in Marfan syndrome. *International Journal of Cardiology*, **2006**, 112, 353-8	3.2	95

158	Nitric oxide mediates aortic disease in mice deficient in the metalloprotease Adamts1 and in a mouse model of Marfan syndrome. *Nature Medicine*, **2017**, 23, 200-212	50.5	92
157	Perspectives on the revised Ghent criteria for the diagnosis of Marfan syndrome. *The Application of Clinical Genetics*, **2015**, 8, 137-55	3.1	88
156	Pregnancy Outcomes in Women With Rheumatic Mitral Valve Disease: Results From the Registry of Pregnancy and Cardiac Disease. *Circulation*, **2018**, 137, 806-816	16.7	83
155	In-frame mutations in exon 1 of SKI cause dominant Shprintzen-Goldberg syndrome. *American Journal of Human Genetics*, **2012**, 91, 950-7	11	80
154	Global cardiac risk assessment in the Registry Of Pregnancy And Cardiac disease: results of a registry from the European Society of Cardiology. *European Journal of Heart Failure*, **2016**, 18, 523-33	12.3	74
153	Contribution of molecular analyses in diagnosing Marfan syndrome and type I fibrillinopathies: an international study of 1009 probands. *Journal of Medical Genetics*, **2008**, 45, 384-90	5.8	71
152	Cardiovascular Health in Turner Syndrome: A Scientific Statement From the American Heart Association. *Circulation Genomic and Precision Medicine*, **2018**, 11, e000048	5.2	70
151	MAT2A mutations predispose individuals to thoracic aortic aneurysms. *American Journal of Human Genetics*, **2015**, 96, 170-7	11	68
150	Risk of Pregnancy in Moderate and Severe´Aortic Stenosis: From the Multinational ROPAC Registry. *Journal of the American College of Cardiology*, **2016**, 68, 1727-1737	15.1	68
149	The new Ghent criteria for Marfan syndrome: what do they change?. *Clinical Genetics*, **2012**, 81, 433-42	4	66
148	Evaluation of left ventricular dimensions and function in Marfan syndrome without significant valvular regurgitation. *American Journal of Cardiology*, **2005**, 95, 795-7	3	64
147	Comprehensive clinical and molecular assessment of 32 probands with congenital contractural arachnodactyly: report of 14 novel mutations and review of the literature. *Human Mutation*, **2009**, 30, 334-41	4.7	63
146	Iron deficiency is associated with adverse outcome in Eisenmenger patients. *European Heart Journal*, **2011**, 32, 2790-9	9.5	59
145	Applying massive parallel sequencing to molecular diagnosis of Marfan and Loeys-Dietz syndromes. *Human Mutation*, **2011**, 32, 1053-62	4.7	58
144	Gene panel sequencing in heritable thoracic aortic disorders and related entities - results of comprehensive testing in a cohort of 264 patients. *Orphanet Journal of Rare Diseases*, **2015**, 10, 9	4.2	57
143	Clinical and mutation-type analysis from an international series of 198 probands with a pathogenic FBN1 exons 24-32 mutation. *European Journal of Human Genetics*, **2009**, 17, 491-501	5.3	57
142	A critical analysis of minor cardiovascular criteria in the diagnostic evaluation of patients with Marfan syndrome. *Genetics in Medicine*, **2006**, 8, 401-8	8.1	53
141	The Ghent Marfan Trial--a randomized, double-blind placebo controlled trial with losartan in Marfan patients treated with Eblockers. *International Journal of Cardiology*, **2012**, 157, 354-8	3.2	51

140	Characteristics of children and young adults with Marfan syndrome and aortic root dilation in a randomized trial comparing atenolol and losartan therapy. *American Heart Journal*, **2013**, 165, 828-835.e3	4.9	49
139	A different view on predictors of pulmonary hypertension in secundum atrial septal defect. *International Journal of Cardiology*, **2014**, 176, 833-40	3.2	48
138	Pregnancy in women with hypertrophic cardiomyopathy: data from the European Society of Cardiology initiated Registry of Pregnancy and Cardiac disease (ROPAC). *European Heart Journal*, **2017**, 38, 2683-2690	9.5	47
137	Thoracic aortic-aneurysm and dissection in association with significant mitral valve disease caused by mutations in TGFB2. *International Journal of Cardiology*, **2013**, 165, 584-7	3.2	46
136	The ESC Clinical Practice Guidelines for the Management of Adult Congenital Heart Disease 2020. *European Heart Journal*, **2020**, 41, 4153-4154	9.5	46
135	Effect of an abdominal aortic aneurysm on wave reflection in the aorta. *IEEE Transactions on Biomedical Engineering*, **2008**, 55, 1602-11	5	44
134	Echocardiographic methods, quality review, and measurement accuracy in a randomized multicenter clinical trial of Marfan syndrome. *Journal of the American Society of Echocardiography*, **2013**, 26, 657-66	5.8	43
133	Aortic reflection coefficients and their association with global indexes of wave reflection in healthy controls and patients with Marfan syndrome. *American Journal of Physiology - Heart and Circulatory Physiology*, **2006**, 290, H2385-92	5.2	43
132	Arterial hypertension in Turner syndrome: a review of the literature and a practical approach for diagnosis and treatment. *Journal of Hypertension*, **2015**, 33, 1342-51	1.9	42
131	Arterial tortuosity syndrome: 40 new families and literature review. *Genetics in Medicine*, **2018**, 20, 1236-1245	8.1	40
130	An integrated framework to quantitatively link mouse-specific hemodynamics to aneurysm formation in angiotensin II-infused ApoE -/- mice. *Annals of Biomedical Engineering*, **2011**, 39, 2430-44	4.7	40
129	Utility of molecular analyses in the exploration of extreme intrafamilial variability in the Marfan syndrome. *Clinical Genetics*, **2007**, 72, 188-98	4	39
128	Characterization of cardiovascular involvement in pseudoxanthoma elasticum families. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2013**, 33, 2646-52	9.4	37
127	Functional analysis of the common carotid artery: relative distension differences over the vessel wall measured in vivo. *Journal of Hypertension*, **2004**, 22, 973-81	1.9	37
126	Design and rationale of a prospective, collaborative meta-analysis of all randomized controlled trials of angiotensin receptor antagonists in Marfan syndrome, based on individual patient data: A report from the Marfan Treatment TrialistsPCollaboration. *American Heart Journal*, **2015**, 169, 605-12	4.9	35
125	Questioning the Pathogenic Role of the GLA p.Ala143Thr "Mutation" in Fabry Disease: Implications for Screening Studies and ERT. *JIMD Reports*, **2013**, 8, 101-8	1.9	35
124	Intrinsic cardiomyopathy in Marfan syndrome: results from in-vivo and ex-vivo studies of the Fbn1C1039G/+ model and longitudinal findings in humans. *Pediatric Research*, **2015**, 78, 256-63	3.2	34
123	Pathogenic FBN1 mutations in 146 adults not meeting clinical diagnostic criteria for Marfan syndrome: further delineation of type 1 fibrillinopathies and focus on patients with an isolated major criterion. *American Journal of Medical Genetics, Part A*, **2009**, 149A, 854-60	2.5	34

122	Parameters of inflammation and infection in a community based case-control study of coronary heart disease. *Atherosclerosis*, **2002**, 160, 457-63	3.1	34
121	Ventricular tachyarrhythmia during pregnancy in women with heart disease: Data from the ROPAC, a registry from the European Society of Cardiology. *International Journal of Cardiology*, **2016**, 220, 131-6	3.2	30
120	Features of Marfan syndrome not listed in the Ghent nosology - the dark side of the disease. *Expert Review of Cardiovascular Therapy*, **2019**, 17, 883-915	2.5	30
119	The Belgian Eisenmenger syndrome registry: implications for treatment strategies?. *Acta Cardiologica*, **2009**, 64, 447-53	0.9	29
118	Clinical history and management recommendations of the smooth muscle dysfunction syndrome due to ACTA2 arginine 179 alterations. *Genetics in Medicine*, **2018**, 20, 1206-1215	8.1	27
117	Twenty patients including 7 probands with autosomal dominant cutis laxa confirm clinical and molecular homogeneity. *Orphanet Journal of Rare Diseases*, **2013**, 8, 36	4.2	27
116	Prevalence of Fabry disease in a predominantly hypertensive population with left ventricular hypertrophy. *International Journal of Cardiology*, **2013**, 167, 2555-60	3.2	27
115	The main pulmonary artery in adults: a controlled multicenter study with assessment of echocardiographic reference values, and the frequency of dilatation and aneurysm in Marfan syndrome. *Orphanet Journal of Rare Diseases*, **2014**, 9, 203	4.2	26
114	Absence of arterial phenotype in mice with homozygous slc2A10 missense substitutions. *Genesis*, **2008**, 46, 385-9	1.9	26
113	Clinical utility gene card for: Hereditary thoracic aortic aneurysm and dissection including next-generation sequencing-based approaches. *European Journal of Human Genetics*, **2016**, 24, e1-5	5.3	25
112	Relation between genotype and left-ventricular dilatation in patients with Marfan syndrome. *Gene*, **2014**, 534, 40-3	3.8	25
111	Aneurysm-osteoarthritis syndrome with visceral and iliac artery aneurysms. *Journal of Vascular Surgery*, **2013**, 57, 96-102	3.5	25
110	Efficacy of losartan as add-on therapy to prevent aortic growth and ventricular dysfunction in patients with Marfan syndrome: a randomized, double-blind clinical trial. *Acta Cardiologica*, **2017**, 72, 616-624	0.9	25
109	Right ventricular function in patients with Eisenmenger syndrome. *American Journal of Cardiology*, **2012**, 109, 1206-11	3	24
108	The importance of pulmonary artery pressures on late atrial arrhythmia in transcatheter and surgically closed ASD type secundum. *International Journal of Cardiology*, **2011**, 152, 192-5	3.2	24
107	pathogenic variants: risk for thoracic aortic disease and associated complications from the Montalcino Aortic Consortium. *Journal of Medical Genetics*, **2019**, 56, 252-260	5.8	23
106	Genetic Defects in TAPT1 Disrupt Ciliogenesis and Cause a Complex Lethal Osteochondrodysplasia. *American Journal of Human Genetics*, **2015**, 97, 521-34	11	23
105	Multiple aneurysms in a patient with aneurysms-osteoarthritis syndrome. *Annals of Thoracic Surgery* , **2013**, 95, 332-5	2.7	23

104	Long-Term Outcome of Patients with Perimembranous Ventricular Septal Defect: Results from the Belgian Registry on Adult Congenital Heart Disease. *Cardiology*, **2017**, 136, 147-155	1.6	23
103	Genes in thoracic aortic aneurysms/dissections - do they matter?. *Annals of Cardiothoracic Surgery*, **2013**, 2, 73-82	4.7	22
102	Worsening in oxygen saturation and exercise capacity predict adverse outcome in patients with Eisenmenger syndrome. *International Journal of Cardiology*, **2013**, 168, 1386-92	3.2	21
101	Sex, pregnancy and aortic disease in Marfan syndrome. *PLoS ONE*, **2017**, 12, e0181166	3.7	20
100	The use of Tissue Doppler Imaging for the assessment of changes in myocardial structure and function in inherited cardiomyopathies. *European Journal of Echocardiography*, **2005**, 6, 243-50		19
99	Influence of Aortic Stiffness on Aortic-Root Growth Rate and Outcome in Patients With the Marfan Syndrome. *American Journal of Cardiology*, **2018**, 121, 1094-1101	3	18
98	Echocardiographically estimated left ventricular end-diastolic and right ventricular systolic pressure in normotensive healthy individuals. *International Journal of Cardiovascular Imaging*, **2006**, 22, 633-41	2.5	18
97	A pilot study to investigate the feasibility and cardiac effects of pegylated liposomal doxorubicin (PL-DOX) as adjuvant therapy in medically fit elderly breast cancer patients. *Critical Reviews in Oncology/Hematology*, **2008**, 67, 133-8	7	17
96	Marfan syndrome. *Nature Reviews Disease Primers*, **2021**, 7, 64	51.1	17
95	Real-world healthcare utilization in adult congenital heart disease: a systematic review of trends and ratios. *Cardiology in the Young*, **2019**, 29, 553-563	1	16
94	Predictive model for late atrial arrhythmia after closure of an atrial septal defect. *International Journal of Cardiology*, **2013**, 164, 318-22	3.2	16
93	Loeys-Dietz syndrome is a specific phenotype and not a concomitant of any mutation in a gene involved in TGF-β signaling. *Genetics in Medicine*, **2014**, 16, 641-2	8.1	16
92	Propagation-based phase-contrast synchrotron imaging of aortic dissection in mice: from individual elastic lamella to 3D analysis. *Scientific Reports*, **2018**, 8, 2223	4.9	15
91	Tailoring the American College of Medical Genetics and Genomics and the Association for Molecular Pathology Guidelines for the Interpretation of Sequenced Variants in the Gene for Marfan Syndrome: Proposal for a Disease- and Gene-Specific Guideline. *Circulation Genomic and*	5.2	15
90	Functional analysis of the anatomical right ventricular components: should assessment of right ventricular function after repair of tetralogy of Fallot be refined?. *European Journal of Cardio-thoracic Surgery*, **2014**, 45, e6-12	3	15
89	Health-Related Quality of Life in Children and Young Adults with Marfan Syndrome. *Journal of Pediatrics*, **2019**, 204, 250-255.e1	3.6	15
88	Cardiovascular imaging in Turner syndrome: state-of-the-art practice across the lifespan. *Heart*, **2018**, 104, 1823-1831	5.1	15
87	Staffing, activities, and infrastructure in 96 specialised adult congenital heart disease clinics in Europe. *International Journal of Cardiology*, **2019**, 292, 100-105	3.2	14

86	Short-term systolic and diastolic ventricular performance after surgical ventricular restoration for dilated ischemic cardiomyopathy. *European Journal of Cardio-thoracic Surgery*, **2009**, 35, 995-1003; discussion 1003	3	14
85	SMAD4 rare variants in individuals and families with thoracic aortic aneurysms and dissections. *European Journal of Human Genetics*, **2019**, 27, 1054-1060	5.3	13
84	European reference network for rare vascular diseases (VASCERN) consensus statement for the screening and management of patients with pathogenic ACTA2 variants. *Orphanet Journal of Rare Diseases*, **2019**, 14, 264	4.2	12
83	Hepatic Changes in the Fontan Circulation: Identification of Liver Dysfunction and an Attempt to Streamline Follow-up Screening. *Pediatric Cardiology*, **2018**, 39, 1604-1613	2.1	11
82	Organisation of care for pregnancy in patients with congenital heart disease. *Heart*, **2017**, 103, 1854-1859	5.1	11
81	QT dispersion is not related to infarct size or inducibility in patients with coronary artery disease and life threatening ventricular arrhythmias. *Heart*, **1999**, 81, 533-8	5.1	11
80	Genetic counselling and testing in adults with congenital heart disease: A consensus document of the ESC Working Group of Grown-Up Congenital Heart Disease, the ESC Working Group on Aorta and Peripheral Vascular Disease and the European Society of Human Genetics. *European Journal of Preventive Cardiology*, **2020**, 27, 1423-1435	3.9	11
79	Dilated cardiomyopathy caused by a novel TNNT2 mutation-added value of genetic testing in the correct identification of affected subjects. *International Journal of Cardiology*, **2010**, 144, 307-9	3.2	10
78	Experimental and numerical assessment of the impact of abdominal aortic aneurysms on arterial wave reflection. *Computer Methods in Biomechanics and Biomedical Engineering*, **2007**, 10, 39-40	2.1	10
77	Type B aortic dissection triggered by heart transplantation in a patient with Marfan syndrome. *BMJ Case Reports*, **2015**, 2015,	0.9	10
76	Marfan Syndrome and Related Heritable Thoracic Aortic Aneurysms and Dissections. *Current Pharmaceutical Design*, **2015**, 21, 4061-75	3.3	10
75	Mitral valve prolapse syndrome and MASS phenotype: Stability of aortic dilatation but progression of mitral valve prolapse. *IJC Heart and Vasculature*, **2016**, 10, 39-46	2.4	10
74	Hungarian Marfan family with large deletion calls attention to copy number variation detection in the current NGS era. *Journal of Thoracic Disease*, **2018**, 10, 2456-2460	2.6	10
73	Predictors of Rapid Aortic Root Dilation and Referral for Aortic Surgery in Marfan Syndrome. *Pediatric Cardiology*, **2018**, 39, 1453-1461	2.1	10
72	Influence of socioeconomic factors on pregnancy outcome in women with structural heart disease. *Heart*, **2018**, 104, 745-752	5.1	9
71	The spectrum of spontaneous coronary artery dissection: illustrated review of the literature. *Acta Cardiologica*, **2017**, 72, 599-609	0.9	9
70	Absence of cardiovascular manifestations in a haploinsufficient Tgfbr1 mouse model. *PLoS ONE*, **2014**, 9, e89749	3.7	9
69	Case-matched Comparison of Cardiovascular Outcome in Loeys-Dietz Syndrome versus Marfan Syndrome. *Journal of Clinical Medicine*, **2019**, 8,	5.1	9

68	Transition to adulthood and transfer to adult care of adolescents with congenital heart disease: a global consensus statement of the ESC Association of Cardiovascular Nursing and Allied Professions (ACNAP), the ESC Working Group on Adult Congenital Heart Disease (WG ACHD), the Association for European Paediatric and Congenital Cardiology (AEPC), the Pan-African Society of	9.5	9
67	A heart for fibrillin: spatial arrangement in adult wild-type murine myocardial tissue. *Histochemistry and Cell Biology*, **2018**, 150, 271-280	2.4	8
66	Marfan and Marfan-like syndromes. *Artery Research*, **2009**, 3, 9	2.2	7
65	Myocardial Function, Heart Failure and Arrhythmia in Marfan Syndrome: A Systematic Literature Review. *Diagnostics*, **2020**, 10,	3.8	7
64	2020 ESC Guidelines for the management of adult congenital heart disease. *Revista Espanola De Cardiologia (English Ed)*, **2021**, 74, 436	0.7	7
63	Pathogenic variants in THSD4, encoding the ADAMTS-like 6 protein, predispose to inherited thoracic aortic aneurysm. *Genetics in Medicine*, **2021**, 23, 111-122	8.1	7
62	Creating the BELgian COngenital heart disease database combining administrative and clinical data (BELCODAC): Rationale, design and methodology. *International Journal of Cardiology*, **2020**, 316, 72-78	3.2	6
61	Treatment of pre-existing cardiomyopathy during pregnancy. *Acta Cardiologica*, **2014**, 69, 193-6	0.9	6
60	Diastolic dysfunction, infarct size, and exercise capacity in remote myocardial infarction: a combined approach of mitral E-wave deceleration time and color M-mode flow propagation velocity. *American Journal of Cardiology*, **2002**, 89, 593-5	3	6
59	Myocardial disease and ventricular arrhythmia in Marfan syndrome: a prospective study. *Orphanet Journal of Rare Diseases*, **2020**, 15, 300	4.2	6
58	Body mass index in adults with congenital heart disease. *Congenital Heart Disease*, **2019**, 14, 479-486	3.1	5
57	Heart failure and sudden cardiac death in heritable thoracic aortic disease caused by pathogenic variants in the SMAD3 gene. *Molecular Genetics & Genomic Medicine*, **2018**, 6, 648	2.3	5
56	Guía ESC 2015 sobre el tratamiento de la endocarditis infecciosa. *Revista Espanola De Cardiologia*, **2016**, 69, 69.e1-69.e49	1.5	5
55	Managing aortic aneurysms and dissections during pregnancy. *Expert Review of Cardiovascular Therapy*, **2015**, 13, 703-14	2.5	5
54	Expanding the phenotype of sudden cardiac death-An unusual presentation of a family with a Lamin A/C mutation. *International Journal of Cardiology*, **2010**, 138, 97-9	3.2	5
53	Variability of aortic stiffness is not associated with the fibrillin 1 genotype in patients with Marfan syndrome. *Heart*, **2006**, 92, 977-8	5.1	5
52	Development of a transition program for adolescents with congenital heart disease. *European Journal of Pediatrics*, **2020**, 179, 339-348	4.1	5
51	Pregnancy in Women With SMAD3 Mutation. *Journal of the American College of Cardiology*, **2017**, 69, 1356-1358	15.1	4

50	The Ten Commandments in Adult Congenital Heart Disease Guidelines. *European Heart Journal*, **2020**, 41, 4155	9.5	4
49	New insights into the molecular diagnosis and management of heritable thoracic aortic aneurysms and dissections. *Polish Archives of Internal Medicine*, **2013**, 123, 693-700	1.9	4
48	Aortic disease in Marfan syndrome is caused by overactivation of sGC-PRKG signaling by NO. *Nature Communications*, **2021**, 12, 2628	17.4	4
47	Association of Mitral Annular Disjunction With Cardiovascular Outcomes Among Patients With Marfan Syndrome. *JAMA Cardiology*, **2021**, 6, 1177-1186	16.2	4
46	A genotype-first approach to exploring Mendelian cardiovascular traits with clear external manifestations. *Genetics in Medicine*, **2021**, 23, 94-102	8.1	4
45	Pregnancy Outcomes in Women After Arterial Switch Operation for Transposition of the Great Arteries: Results From ROPAC (Registry of Pregnancy and Cardiac Disease) of the European Society of Cardiology EURObservational Research Programme. *Journal of the American Heart Association*, **2021**, 10, e018176	6	4
44	Genética en la cardiopatía congénita: ¿estamos preparados?. *Revista Espanola De Cardiologia*, **2020**, 73, 937-947	1.5	3
43	Sleep apnea and the impact on cardiovascular risk in patients with Marfan syndrome. *Molecular Genetics & Genomic Medicine*, **2019**, 7, e805	2.3	3
42	Genes in Thoracic Aortic Aneurysms and Dissections - Do they Matter?: Translation and Integration of Research and Modern Genetic Techniques into Daily Clinical Practice. *Aorta*, **2013**, 1, 135-45	0.9	3
41	DUP25 remains unconfirmed. *American Journal of Medical Genetics Part A*, **2004**, 131, 320-1		3
40	Effects of fibrillin mutations on the behavior of heart muscle cells in Marfan syndrome. *Scientific Reports*, **2020**, 10, 16756	4.9	3
39	A new dimension in patent foramen ovale size estimation. *Echocardiography*, **2020**, 37, 1049-1055	1.5	3
38	Transfer and transition practices in 96 European adult congenital heart disease centres. *International Journal of Cardiology*, **2021**, 328, 89-95	3.2	3
37	Guía ESC 2020 para el tratamiento de las cardiopatías congénitas del adulto. *Revista Espanola De Cardiologia*, **2021**, 74, 436.e1-436.e79	1.5	3
36	Pregnancy outcome in thoracic aortic disease data from the Registry Of Pregnancy And Cardiac disease. *Heart*, **2021**, 107, 1704-1709	5.1	3
35	Opinions of general and adult congenital heart disease cardiologists on care for adults with congenital heart disease in Belgium: a qualitative study. *Cardiology in the Young*, **2019**, 29, 1368-1374	1	2
34	Heritable Thoracic Aortic Disorders **2016**, 263-294		2
33	MEK1/2 Inhibition in Murine Heart and Aorta After Oral Administration of Refametinib Supplemented Drinking Water. *Frontiers in Pharmacology*, **2020**, 11, 1336	5.6	2

32	Spontaneous Right Ventricular Pseudoaneurysms and Increased Arrhythmogenicity in a Mouse Model of Marfan Syndrome. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	2
31	Ambulatory Electrocardiographic Monitoring and Ectopic Beat Detection in Conscious Mice. *Sensors* , **2020**, 20,	3.8	2
30	Angiotensin-II receptor blockade in Marfan syndrome. *Lancet, The*, **2019**, 394, 2206-2207	40	2
29	Corrosion casting of the cardiovascular structure in adult zebrafish for analysis by scanning electron microscopy and X-ray microtomography. *Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia*, **2020**, 49, 635-642	1.1	1
28	Treatment of pre-existing cardiomyopathy during pregnancy		1
27	Aortopathy. *Congenital Heart Disease in Adolescents and Adults*, **2017**, 165-194	0	1
26	Congenital heart disease in the ESC EORP Registry of Pregnancy and Cardiac disease (ROPAC). *International Journal of Cardiology Congenital Heart Disease*, **2021**, 3, 100107	0.7	1
25	Genetic testing for aortopathies: primer for the nongeneticist. *Current Opinion in Cardiology*, **2019**, 34, 585-593	2.1	1
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