Julie De Backer

List of Publications by Year
in descending order

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203 papers	23,523 citations	25034 57 h-index	8167 148 g-index
216 all docs	216 docs citations	216 times ranked	19041 citing authors

#	Article	IF	Citations
1	2015 ESC Guidelines for the management of infective endocarditis. European Heart Journal, 2015, 36, 3075-3128.	2.2	3,902
2	The revised Ghent nosology for the Marfan syndrome. Journal of Medical Genetics, 2010, 47, 476-485.	3.2	1,677
3	A syndrome of altered cardiovascular, craniofacial, neurocognitive and skeletal development caused by mutations in TGFBR1 or TGFBR2. Nature Genetics, 2005, 37, 275-281.	21.4	1,543
4	Aneurysm Syndromes Caused by Mutations in the TGF-Î² Receptor. New England Journal of Medicine, 2006, 355, 788-798.	27.0	1,490
5	2018 ESC Guidelines for the management of cardiovascular diseases during pregnancy. European Heart Journal, 2018, 39, 3165-3241.	2.2	1,396
6	The 2017 international classification of the Ehlersâ€“Danlos syndromes. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2017, 175, 8-26.	1.6	1,163
7	2020 ESC Guidelines for the management of adult congenital heart disease. European Heart Journal, 2021, 42, 563-645.	2.2	971
8	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.	3.7	771
9	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, 454-466.	6.2	485
10	Atenolol versus Losartan in Children and Young Adults with Marfan's Syndrome. New England Journal of Medicine, 2014, 371, 2061-2071.	27.0	457
11	Mutations in the facilitative glucose transporter GLUT10 alter angiogenesis and cause arterial tortuosity syndrome. Nature Genetics, 2006, 38, 452-457.	21.4	354
12	Effect of celiprolol on prevention of cardiovascular events in vascular Ehlers-Danlos syndrome: a prospective randomised, open, blinded-endpoints trial. Lancet, The, 2010, 376, 1476-1484.	13.7	330
13	Arterial tortuosity syndrome: clinical and molecular findings in 12 newly identified families. Human Mutation, 2008, 29, 150-158.	2.5	295
14	Pregnancy in Women With a Mechanical Heart Valve. Circulation, 2015, 132, 132-142.	1.6	274
15	Early Surgical Experience With Loeys-Dietz: A New Syndrome of Aggressive Thoracic Aortic Aneurysm Disease. Annals of Thoracic Surgery, 2007, 83, S757-S763.	1.3	254
16	Circulating Transforming Growth Factor-Î² in Marfan Syndrome. Circulation, 2009, 120, 526-532.	1.6	246
17	Diagnosis, natural history, and management in vascular Ehlersâ€“Danlos syndrome. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2017, 175, 40-47.	1.6	239
18	FBN1: The disease-causing gene for Marfan syndrome and other genetic disorders. Gene, 2016, 591, 279-291.	2.2	230

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19	Phenotypic spectrum of the SMAD3-related aneurysmsâ€“osteoarthritis syndrome. Journal of Medical Genetics, 2012, 49, 47-57.	3.2	221
20	Comprehensive molecular screening of theFBN1gene favors locus homogeneity of classical Marfan syndrome. Human Mutation, 2004, 24, 140-146.	2.5	210
21	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.	2.2	209
22	Heart failure in pregnant women with cardiac disease: data from the ROPAC. Heart, 2014, 100, 231-238.	2.9	191
23	Clinical Validity of Genes for Heritable Thoracic Aortic Aneurysm and Dissection. Journal of the American College of Cardiology, 2018, 72, 605-615.	2.8	190
24	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, 1283-1289.	2.8	165
25	Pulmonary hypertension and pregnancy outcomes: data from the Registry Of Pregnancy and Cardiac Disease (<scp>ROPAC</scp>) of the European Society of Cardiology. European Journal of Heart Failure, 2016, 18, 1119-1128.	7.1	164
26	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, 914-920.	1.6	151
27	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, 391-398.	2.1	146
28	International Registry of Patients Carrying TGFBR1 or TGFBR2 Mutations. Circulation: Cardiovascular Genetics, 2016, 9, 548-558.	5.1	145
29	Cardiovascular Health in Turner Syndrome: A Scientific Statement From the American Heart Association. Circulation Genomic and Precision Medicine, 2018, 11, e000048.	3.6	143
30	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, 387-395.	2.5	139
31	Aggressive Cardiovascular Phenotype of Aneurysms-Osteoarthritis Syndrome Caused by Pathogenic SMAD3 Variants. Journal of the American College of Cardiology, 2012, 60, 397-403.	2.8	135
32	The ESC Clinical Practice Guidelines for the Management of Adult Congenital Heart Disease 2020. European Heart Journal, 2020, 41, 4153-4154.	2.2	135
33	Novel MYH11 and ACTA2 mutations reveal a role for enhanced TGFÎ² signaling in FTAAD. International Journal of Cardiology, 2013, 165, 314-321.	1.7	134
34	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.	30.7	134
35	Cardiovascular manifestations in men and women carrying a FBN1 mutation. European Heart Journal, 2010, 31, 2223-2229.	2.2	133
36	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, 1485-1493.	2.5	133

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37	Pregnancy Outcomes in Women With Rheumatic Mitral Valve Disease. Circulation, 2018, 137, 806-816.	1.6	130
38	Effects of age, gender, and left ventricular mass on septal mitral annulus velocity (Eâ€²) and the ratio of transmitral early peak velocity to Eâ€² (E/Eâ€²). American Journal of Cardiology, 2005, 95, 1020-1023.	1.6	125
39	Perspectives on the revised Ghent criteria for the diagnosis of Marfan syndrome. The Application of Clinical Genetics, 2015, 8, 137.	3.0	120
40	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, 523-533.	7.1	113
41	Risk of Pregnancy in Moderate and SevereÂAortic Stenosis. Journal of the American College of Cardiology, 2016, 68, 1727-1737.	2.8	113
42	Primary impairment of left ventricular function in Marfan syndrome. International Journal of Cardiology, 2006, 112, 353-358.	1.7	108
43	Marfan syndrome. Nature Reviews Disease Primers, 2021, 7, 64.	30.5	99
44	In-Frame Mutations in Exon 1 of SKI Cause Dominant Shprintzen-Goldberg Syndrome. American Journal of Human Genetics, 2012, 91, 950-957.	6.2	95
45	MAT2A Mutations Predispose Individuals to Thoracic Aortic Aneurysms. American Journal of Human Genetics, 2015, 96, 170-177.	6.2	92
46	The new Ghent criteria for Marfan syndrome: what do they change?. Clinical Genetics, 2012, 81, 433-442.	2.0	90
47	Contribution of molecular analyses in diagnosing Marfan syndrome and type I fibrillinopathies: an international study of 1009 probands. Journal of Medical Genetics, 2008, 45, 384-390.	3.2	83
48	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, 334-341.	2.5	81
49	Iron deficiency is associated with adverse outcome in Eisenmenger patients. European Heart Journal, 2011, 32, 2790-2799.	2.2	76
50	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.	2.2	73
51	Applying massive parallel sequencing to molecular diagnosis of Marfan and Loeys-Dietz syndromes. Human Mutation, 2011, 32, 1053-1062.	2.5	71
52	Evaluation of left ventricular dimensions and function in Marfan's syndrome without significant valvular regurgitation. American Journal of Cardiology, 2005, 95, 795-797.	1.6	69
53	Clinical and mutation-type analysis from an international series of 198 probands with a pathogenic FBN1 exons 24â€“32 mutation. European Journal of Human Genetics, 2009, 17, 491-501.	2.8	66
54	Arterial tortuosity syndrome: 40 new families and literature review. Genetics in Medicine, 2018, 20, 1236-1245.	2.4	66

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55	A different view on predictors of pulmonary hypertension in secundum atrial septal defect. International Journal of Cardiology, 2014, 176, 833-840.	1.7	63
56	Characterization of Cardiovascular Involvement in Pseudoxanthoma Elasticum Families. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 2646-2652.	2.4	62
57	Gene panel sequencing in heritable thoracic aortic disorders and related entities â€“ results of comprehensive testing in a cohort of 264 patients. Orphanet Journal of Rare Diseases, 2015, 10, 9.	2.7	62
58	The Ghent Marfan Trial â€" A randomized, double-blind placebo controlled trial with losartan in Marfan patients treated with Î²-blockers. International Journal of Cardiology, 2012, 157, 354-358.	1.7	59
59	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.	2.7	59
60	A critical analysis of minor cardiovascular criteria in the diagnostic evaluation of patients with Marfan syndrome. Genetics in Medicine, 2006, 8, 401-408.	2.4	58
61	Effect of an Abdominal Aortic Aneurysm on Wave Reflection in the Aorta. IEEE Transactions on Biomedical Engineering, 2008, 55, 1602-1611.	4.2	58
62	Thoracic aortic-aneurysm and dissection in association with significant mitral valve disease caused by mutations in TGFB2. International Journal of Cardiology, 2013, 165, 584-587.	1.7	58
63	Arterial hypertension in Turner syndrome. Journal of Hypertension, 2015, 33, 1342-1351.	0.5	55
64	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 Cardiology (PASCAR), the Asia-Pacific Pediatric Cardiac Society (APPCS), the Inter-American Society of Cardiology (IASC), the Cardiac Soc. European Heart Journal, 2021, 42, 4213-4223.	2.2	55
65	Clinical history and management recommendations of the smooth muscle dysfunction syndrome due to ACTA2 arginine 179 alterations. Genetics in Medicine, 2018, 20, 1206-1215.	2.4	50
66	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, 657-666.	2.8	49
67	Aortic reflection coefficients and their association with global indexes of wave reflection in healthy controls and patients with Marfan's syndrome. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H2385-H2392.	3.2	48
68	Utility of molecular analyses in the exploration of extreme intrafamilial variability in the Marfan syndrome. Clinical Genetics, 2007, 72, 188-198.	2.0	47
69	Features of Marfan syndrome not listed in the Ghent nosology â€“ the dark side of the disease. Expert Review of Cardiovascular Therapy, 2019, 17, 883-915.	1.5	46
70	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, 256-263.	2.3	45
71	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, 131-136.	1.7	45
72	Functional analysis of the common carotid artery. Journal of Hypertension, 2004, 22, 973-981.	0.5	44

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73	Questioning the Pathogenic Role of the GLA p.Ala143Thr â€œMutationâ€•in Fabry Disease: Implications for Screening Studies and ERT. JIMD Reports, 2012, 8, 101-108.	1.5	44
74	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 Trialists' Collaboration. American Heart Journal, 2015, 169, 605-612.	2.7	44
75	An Integrated Framework to Quantitatively Link Mouse-Specific Hemodynamics to Aneurysm Formation in Angiotensin II-infused ApoE â^'/â^' mice. Annals of Biomedical Engineering, 2011, 39, 2430-2444.	2.5	43
76	SMAD3pathogenic variants: risk for thoracic aortic disease and associated complications from the Montalcino Aortic Consortium. Journal of Medical Genetics, 2019, 56, 252-260.	3.2	43
77	The Belgian Eisenmenger syndrome registry: Implications for treatment strategies?. Acta Cardiologica, 2009, 64, 447-453.	0.9	41
78	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, 854-860.	1.2	40
79	Sex, pregnancy and aortic disease in Marfan syndrome. PLoS ONE, 2017, 12, e0181166.	2.5	40
80	Genetic Defects in TAPT1 Disrupt Ciliogenesis and Cause a Complex Lethal Osteochondrodysplasia. American Journal of Human Genetics, 2015, 97, 521-534.	6.2	39
81	Parameters of inflammation and infection in a community based case-control study of coronary heart disease. Atherosclerosis, 2002, 160, 457-463.	0.8	38
82	Prevalence of Fabry disease in a predominantly hypertensive population with left ventricular hypertrophy. International Journal of Cardiology, 2013, 167, 2555-2560.	1.7	38
83	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.	1.8	38
84	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	36
85	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.	2.7	34
86	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.	1.4	34
87	Twenty patients including 7 probands with autosomal dominant cutis laxa confirm clinical and molecular homogeneity. Orphanet Journal of Rare Diseases, 2013, 8, 36.	2.7	33
88	Relation between genotype and left-ventricular dilatation in patients with Marfan syndrome. Gene, 2014, 534, 40-43.	2.2	32
89	Aneurysm-osteoarthritis syndrome with visceral and iliac artery aneurysms. Journal of Vascular Surgery, 2013, 57, 96-102.	1.1	31
90	Absence of arterial phenotype in mice with homozygous slc2A10 missense substitutions. Genesis, 2008, 46, 385-389.	1.6	30

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91	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.	1.6	30
92	Pregnancy outcome in thoracic aortic disease data from the Registry Of Pregnancy And Cardiac disease. Heart, 2021, 107, 1704-1709.	2.9	29
93	Clinical utility gene card for: Hereditary thoracic aortic aneurysm and dissection including next-generation sequencing-based approaches. European Journal of Human Genetics, 2016, 24, 146-150.	2.8	28
94	Aortic disease in Marfan syndrome is caused by overactivation of sGC-PRKG signaling by NO. Nature Communications, 2021, 12, 2628.	12.8	28
95	The importance of pulmonary artery pressures on late atrial arrhythmia in transcatheter and surgically closed ASD type secundum. International Journal of Cardiology, 2011, 152, 192-195.	1.7	27
96	Right Ventricular Function in Patients With Eisenmenger Syndrome. American Journal of Cardiology, 2012, 109, 1206-1211.	1.6	27
97	Worsening in oxygen saturation and exercise capacity predict adverse outcome in patients with Eisenmenger syndrome. International Journal of Cardiology, 2013, 168, 1386-1392.	1.7	27
98	Real-world healthcare utilization in adult congenital heart disease: a systematic review of trends and ratios. Cardiology in the Young, 2019, 29, 553-563.	0.8	27
99	Multiple Aneurysms in a Patient With Aneurysms-Osteoarthritis Syndrome. Annals of Thoracic Surgery, 2013, 95, 332-335.	1.3	26
100	Health-Related Quality of Life in Children and Young Adults with Marfan Syndrome. Journal of Pediatrics, 2019, 204, 250-255.e1.	1.8	26
101	Pathogenic variants in THSD4, encoding the ADAMTS-like 6 protein, predispose to inherited thoracic aortic aneurysm. Genetics in Medicine, 2021, 23, 111-122.	2.4	25
102	Genes in thoracic aortic aneurysms/dissections - do they matter?. Annals of Cardiothoracic Surgery, 2013, 2, 73-82.	1.7	25
103	SMAD4 rare variants in individuals and families with thoracic aortic aneurysms and dissections. European Journal of Human Genetics, 2019, 27, 1054-1060.	2.8	24
104	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, 243-250.	2.3	23
105	Propagation-based phase-contrast synchrotron imaging of aortic dissection in mice: from individual elastic lamella to 3D analysis. Scientific Reports, 2018, 8, 2223.	3.3	23
106	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.	2.7	23
107	Predictive model for late atrial arrhythmia after closure of an atrial septal defect. International Journal of Cardiology, 2013, 164, 318-322.	1.7	22
108	Cardiovascular imaging in Turner syndrome: state-of-the-art practice across the lifespan. Heart, 2018, 104, 1823-1831.	2.9	22

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109	Echocardiographically estimated left ventricular end-diastolic and right ventricular systolic pressure in normotensive healthy individuals. International Journal of Cardiovascular Imaging, 2006, 22, 633-641.	1.5	21
110	Organisation of care for pregnancy in patients with congenital heart disease. Heart, 2017, 103, 1854-1859.	2.9	20
111	Tailoring the American College of Medical Genetics and Genomics and the Association for Molecular Pathology Guidelines for the Interpretation of Sequenced Variants in the FBN1 Gene for Marfan Syndrome. Circulation Genomic and Precision Medicine, 2018, 11, e002039.	3.6	20
112	Staffing, activities, and infrastructure in 96 specialised adult congenital heart disease clinics in Europe. International Journal of Cardiology, 2019, 292, 100-105.	1.7	20
113	Association of Mitral Annular Disjunction With Cardiovascular Outcomes Among Patients With Marfan Syndrome. JAMA Cardiology, 2021, 6, 1177.	6.1	19
114	Myocardial Function, Heart Failure and Arrhythmia in Marfan Syndrome: A Systematic Literature Review. Diagnostics, 2020, 10, 751.	2.6	19
115	Loeysâ€“Dietz syndrome is a specific phenotype and not a concomitant of any mutation in a gene involved in TGF-Î² signaling. Genetics in Medicine, 2014, 16, 641-642.	2.4	18
116	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-e12.	1.4	18
117	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, 133-138.	4.4	17
118	Case-matched Comparison of Cardiovascular Outcome in Loeys-Dietz Syndrome versus Marfan Syndrome. Journal of Clinical Medicine, 2019, 8, 2079.	2.4	17
119	QT dispersion is not related to infarct size or inducibility in patients with coronary artery disease and life threatening ventricular arrhythmias. Heart, 1999, 81, 533-538.	2.9	16
120	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.	1.7	16
121	A genotype-first approach to exploring Mendelian cardiovascular traits with clear external manifestations. Genetics in Medicine, 2021, 23, 94-102.	2.4	16
122	Hungarian Marfan family with large FBN1 deletion calls attention to copy number variation detection in the current NGS era. Journal of Thoracic Disease, 2018, 10, 2456-2460.	1.4	15
123	Hepatic Changes in the Fontan Circulation: Identification of Liver Dysfunction and an Attempt to Streamline Follow-up Screening. Pediatric Cardiology, 2018, 39, 1604-1613.	1.3	15
124	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.	1.4	14
125	Predictors of Rapid Aortic Root Dilation and Referral for Aortic Surgery in Marfan Syndrome. Pediatric Cardiology, 2018, 39, 1453-1461.	1.3	14
126	Myocardial disease and ventricular arrhythmia in Marfan syndrome: a prospective study. Orphanet Journal of Rare Diseases, 2020, 15, 300.	2.7	14

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127	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.	3.7	14
128	Marfan Syndrome and Related Heritable Thoracic Aortic Aneurysms and Dissections. Current Pharmaceutical Design, 2015, 21, 4061-4075.	1.9	13
129	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.	1.1	12
130	Development of a transition program for adolescents with congenital heart disease. European Journal of Pediatrics, 2020, 179, 339-348.	2.7	12
131	Transfer and transition practices in 96 European adult congenital heart disease centres. International Journal of Cardiology, 2021, 328, 89-95.	1.7	12
132	2020 ESC Guidelines for the management of adult congenital heart disease. Revista Espanola De Cardiologia (English Ed), 2021, 74, 436.	0.6	12
133	Needs and Experiences of Adolescents with Congenital Heart Disease and Parents in the Transitional Process: A Qualitative Study. Journal of Pediatric Nursing, 2021, 61, 90-95.	1.5	12
134	Dilated cardiomyopathy caused by a novel TNNT2 mutationâ€"Added value of genetic testing in the correct identification of affected subjects. International Journal of Cardiology, 2010, 144, 307-309.	1.7	11
135	The spectrum of spontaneous coronary artery dissection: illustrated review of the literature. Acta Cardiologica, 2017, 72, 599-609.	0.9	11
136	A heart for fibrillin: spatial arrangement in adult wild-type murine myocardial tissue. Histochemistry and Cell Biology, 2018, 150, 271-280.	1.7	11
137	Looking for the Missing Links. Circulation Genomic and Precision Medicine, 2018, 11, e002185.	3.6	11
138	Sleep apnea and the impact on cardiovascular risk in patients with Marfan syndrome. Molecular Genetics & Genomic Medicine, 2019, 7, e805.	1.2	11
139	Vascular Ehlers-Danlos SyndromeÂManagement. Journal of the American College of Cardiology, 2019, 73, 1958-1960.	2.8	11
140	Type B aortic dissection triggered by heart transplantation in a patient with Marfan syndrome. BMJ Case Reports, 2015, 2015, bcr2015211138.	0.5	11
141	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.	1.6	10
142	The expanding cardiovascular phenotype of Marfan syndrome. European Journal of Echocardiography, 2008, 10, 213-215.	2.3	10
143	Marfan and Sartans: time to wake up!: Figure 1. European Heart Journal, 2015, 36, 2131-2133.	2.2	10
144	Influence of socioeconomic factors on pregnancy outcome in women with structural heart disease. Heart, 2018, 104, 745-752.	2.9	10

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145	Body mass index in adults with congenital heart disease. Congenital Heart Disease, 2019, 14, 479-486.	0.2	10
146	Hereditary thoracic aortic disease: How to save lives. Journal of Thoracic and Cardiovascular Surgery, 2022, 163, 39-45.	0.8	10
147	Absence of Cardiovascular Manifestations in a Haploinsufficient Tgfbr1 Mouse Model. PLoS ONE, 2014, 9, e89749.	2.5	9
148	Heart failure and sudden cardiac death in heritable thoracic aortic disease caused by pathogenic variants in the <scp>SMAD</scp>3 gene. Molecular Genetics & Genomic Medicine, 2018, 6, 648-652.	1.2	9
149	Marfan and Marfan-like syndromes. Artery Research, 2009, 3, 9.	0.6	8
150	Expanding the phenotype of sudden cardiac deathâ€"An unusual presentation of a family with a Lamin A/C mutation. International Journal of Cardiology, 2010, 138, 97-99.	1.7	8
151	Managing aortic aneurysms and dissections during pregnancy. Expert Review of Cardiovascular Therapy, 2015, 13, 703-714.	1.5	8
152	Pregnancy in Women With SMAD3 Mutation. Journal of the American College of Cardiology, 2017, 69, 1356-1358.	2.8	8
153	The â€˜Ten Commandmentsâ€™ in Adult Congenital Heart Disease Guidelines. European Heart Journal, 2020, 41, 4155-4155.	2.2	8
154	Treatment of pre-existing cardiomyopathy during pregnancy. Acta Cardiologica, 2014, 69, 193-196.	0.9	7
155	Effects of fibrillin mutations on the behavior of heart muscle cells in Marfan syndrome. Scientific Reports, 2020, 10, 16756.	3.3	7
156	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, 593-595.	1.6	6
157	Variability of aortic stiffness is not associated with the fibrillin 1 genotype in patients with Marfan's syndrome. Heart, 2006, 92, 977-978.	2.9	6
158	A new dimension in patent foramen ovale size estimation. Echocardiography, 2020, 37, 1049-1055.	0.9	6
159	Ambulatory Electrocardiographic Monitoring and Ectopic Beat Detection in Conscious Mice. Sensors, 2020, 20, 3867.	3.8	6
160	Corrosion casting of the cardiovascular structure in adult zebrafish for analysis by scanning electron microscopy and Xâ€ray microtomography. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2020, 49, 635-642.	0.7	6
161	Outflow Through Aortic Side Branches Drives False Lumen Patency in Type B Aortic Dissection. Frontiers in Cardiovascular Medicine, 2021, 8, 710603.	2.4	6
162	Long-Term Healthcare Utilization, Medical Cost, and Societal Cost in Adult Congenital Heart Disease. Congenital Heart Disease, 2020, 15, 399-429.	0.2	6

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163	Different levels of care for follow-up of adults with congenital heart disease: a cost analysis scrutinizing the impact on medical costs, hospitalizations, and emergency department visits. European Journal of Health Economics, 2021, 22, 951-960.	2.8	5
164	Congenital heart disease in the ESC EORP Registry of Pregnancy and Cardiac disease (ROPAC). International Journal of Cardiology Congenital Heart Disease, 2021, 3, 100107.	0.4	5
165	An Overview of Investigational and Experimental Drug Treatment Strategies for Marfan Syndrome. Journal of Experimental Pharmacology, 2021, Volume 13, 755-779.	3.2	5
166	New insights into the molecular diagnosis and management of heritable thoracic aortic aneurysms and dissections. Polish Archives of Internal Medicine, 2013, 123, 693-700.	0.4	5
167	DUP25 remains unconfirmed. American Journal of Medical Genetics Part A, 2004, 131A, 320-321.	2.4	4
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169	Angiotensin-II receptor blockade in Marfan syndrome. Lancet, The, 2019, 394, 2206-2207.	13.7	4
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