Julie De Backer

List of Publications by Year in Descending Order

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	Arrhythmia and impaired myocardial function in heritable thoracic aortic disease: An international retrospective cohort study.. *European Journal of Medical Genetics*, **2022**, 104503	2.6	0
192	Transfer and transition practices in 96 European adult congenital heart disease centres. *International Journal of Cardiology*, **2021**, 328, 89-95	3.2	3
191	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	3.6	0
190	QRS Duration During Follow-Up of Tetralogy of Fallot: How Valuable is it? Analysis of ECG Changes in Relation to Pulmonary Valve Implantation. *Pediatric Cardiology*, **2021**, 42, 1488-1495	2.1	0
189	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
188	2020 ESC Guidelines for the management of adult congenital heart disease. *Revista Espanola De Cardiologia (English Ed)*, **2021**, 74, 436	0.7	7
187	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
186	Aortic disease in Marfan syndrome is caused by overactivation of sGC-PRKG signaling by NO. *Nature Communications*, **2021**, 12, 2628	17.4	4
185	Cardiomyopathy in Genetic Aortic Diseases. *Frontiers in Pediatrics*, **2021**, 9, 682390	3.4	0
184	Association of Mitral Annular Disjunction With Cardiovascular Outcomes Among Patients With Marfan Syndrome. *JAMA Cardiology*, **2021**, 6, 1177-1186	16.2	4
183	A genotype-first approach to exploring Mendelian cardiovascular traits with clear external manifestations. *Genetics in Medicine*, **2021**, 23, 94-102	8.1	4
182	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
181	2020 ESC Guidelines for the management of adult congenital heart disease. *European Heart Journal* , **2021**, 42, 563-645	9.5	290
180	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
179	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
178	Outflow Through Aortic Side Branches Drives False Lumen Patency in Type B Aortic Dissection. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 710603	5.4	0
177	An Overview of Investigational and Experimental Drug Treatment Strategies for Marfan Syndrome. *Journal of Experimental Pharmacology*, **2021**, 13, 755-779	3	1

176	Connective Tissue Disorders **2021**, 700-727		
175	Influenza Vaccination in Patients With Congenital Heart Disease in the Pre-COVID-19 Era: Coverage Rate, Patient Characteristics, and Outcomes. *Canadian Journal of Cardiology*, **2021**, 37, 1472-1479	3.8	
174	Marfan syndrome. *Nature Reviews Disease Primers*, **2021**, 7, 64	51.1	17
173	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	2.2	1
172	Pregnancy outcome in thoracic aortic disease data from the Registry Of Pregnancy And Cardiac disease. *Heart*, **2021**, 107, 1704-1709	5.1	3
171	Gen□ica en la cardiopat□ cong□ita: ¿estamos preparados?. *Revista Espanola De Cardiologia*, **2020**, 73, 937-947	1.5	3
170	The □Ten CommandmentsP□n Adult Congenital Heart Disease Guidelines. *European Heart Journal*, **2020**, 41, 4155	9.5	4
169	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
168	Genetics in congenital heart disease. Are we ready for it?. *Revista Espanola De Cardiologia (English Ed)*, **2020**, 73, 937-947	0.7	
167	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
166	Myocardial Function, Heart Failure and Arrhythmia in Marfan Syndrome: A Systematic Literature Review. *Diagnostics*, **2020**, 10,	3.8	7
165	Heritable Thoracic Aortic Diseases: Syndromal and Isolated (F)TAAD **2020**, 309-343		0
164	Development of a transition program for adolescents with congenital heart disease. *European Journal of Pediatrics*, **2020**, 179, 339-348	4.1	5
163	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
162	Effects of fibrillin mutations on the behavior of heart muscle cells in Marfan syndrome. *Scientific Reports*, **2020**, 10, 16756	4.9	3
161	Spontaneous Right Ventricular Pseudoaneurysms and Increased Arrhythmogenicity in a Mouse Model of Marfan Syndrome. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	2
160	A new dimension in patent foramen ovale size estimation. *Echocardiography*, **2020**, 37, 1049-1055	1.5	3
159	Ambulatory Electrocardiographic Monitoring and Ectopic Beat Detection in Conscious Mice. *Sensors* , **2020**, 20,	3.8	2

158	The ESC Clinical Practice Guidelines for the Management of Adult Congenital Heart Disease 2020. *European Heart Journal*, **2020**, 41, 4153-4154	9.5	46
157	Myocardial disease and ventricular arrhythmia in Marfan syndrome: a prospective study. *Orphanet Journal of Rare Diseases*, **2020**, 15, 300	4.2	6
156	Disproportion and dysmorphism in an adult Belgian population with Turner syndrome: risk factors for chronic diseases?. *Acta Clinica Belgica*, **2020**, 75, 258-266	1.8	1
155	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
154	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
153	Reply: More Genes for Thoracic Aortic Aneurysms and Dissections. *Journal of the American College of Cardiology*, **2019**, 73, 529-530	15.1	
152	Body mass index in adults with congenital heart disease. *Congenital Heart Disease*, **2019**, 14, 479-486	3.1	5
151	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
150	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
149	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
148	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
147	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
146	Sleep apnea and the impact on cardiovascular risk in patients with Marfan syndrome. *Molecular Genetics & Genomic Medicine*, **2019**, 7, e805	2.3	3
145	Marfan Syndrome **2019**, 241-254		
144	Case-matched Comparison of Cardiovascular Outcome in Loeys-Dietz Syndrome versus Marfan Syndrome. *Journal of Clinical Medicine*, **2019**, 8,	5.1	9
143	Genetic testing for aortopathies: primer for the nongeneticist. *Current Opinion in Cardiology*, **2019**, 34, 585-593	2.1	1
142	Angiotensin-II receptor blockade in Marfan syndrome. *Lancet, The*, **2019**, 394, 2206-2207	40	2
141	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

140	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
139	Health-Related Quality of Life in Children and Young Adults with Marfan Syndrome. *Journal of Pediatrics*, **2019**, 204, 250-255.e1	3.6	15
138	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
137	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
136	Arterial tortuosity syndrome: 40 new families and literature review. *Genetics in Medicine*, **2018**, 20, 1236-1245	8.1	40
135	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
134	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
133	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
132	Influence of socioeconomic factors on pregnancy outcome in women with structural heart disease. *Heart*, **2018**, 104, 745-752	5.1	9
131	A heart for fibrillin: spatial arrangement in adult wild-type murine myocardial tissue. *Histochemistry and Cell Biology*, **2018**, 150, 271-280	2.4	8
130	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
129	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
128	2018 ESC Guidelines for the management of cardiovascular diseases during pregnancy. *European Heart Journal*, **2018**, 39, 3165-3241	9.5	735
127	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 Precision Medicine*, **2018**, 11, e002039	5.2	15
126	Arterial Hypertension in Turner Syndrome. *Updates in Hypertension and Cardiovascular Protection*, **2018**, 177-186	0.1	
125	Cardiovascular Manifestations in Inherited Connective Tissue Disorders **2018**, 617-646		
124	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
123	Cardiovascular Health in Turner Syndrome: A Scientific Statement From the American Heart Association. *Circulation Genomic and Precision Medicine*, **2018**, 11, e000048	5.2	70

122	Cardiovascular imaging in Turner syndrome: state-of-the-art practice across the lifespan. *Heart*, **2018**, 104, 1823-1831	5.1	15
121	Predictors of Rapid Aortic Root Dilation and Referral for Aortic Surgery in Marfan Syndrome. *Pediatric Cardiology*, **2018**, 39, 1453-1461	2.1	10
120	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
119	Pregnancy in Women With SMAD3 Mutation. *Journal of the American College of Cardiology*, **2017**, 69, 1356-1358	15.1	4
118	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
117	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
116	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
115	Organisation of care for pregnancy in patients with congenital heart disease. *Heart*, **2017**, 103, 1854-1859	5.1	11
114	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
113	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
112	The spectrum of spontaneous coronary artery dissection: illustrated review of the literature. *Acta Cardiologica*, **2017**, 72, 599-609	0.9	9
111	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
110	Sex, pregnancy and aortic disease in Marfan syndrome. *PLoS ONE*, **2017**, 12, e0181166	3.7	20
109	Aortopathy. *Congenital Heart Disease in Adolescents and Adults*, **2017**, 165-194	0	1
108	International Registry of Patients Carrying TGFBR1 or TGFBR2 Mutations: Results of the MAC (Montalcino Aortic Consortium). *Circulation: Cardiovascular Genetics*, **2016**, 9, 548-558		105
107	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
106	FBN1: The disease-causing gene for Marfan syndrome and other genetic disorders. *Gene*, **2016**, 591, 279-291	3.29	129
105	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

104	Guí ESC 2015 sobre el tratamiento de la endocarditis infecciosa. *Revista Espanola De Cardiologia*, **2016**, 69, 69.e1-69.e49	1.5	5
103	Heritable Thoracic Aortic Disorders **2016**, 263-294		2
102	Physical Changes in Adolescence. *Congenital Heart Disease in Adolescents and Adults*, **2016**, 29-42	0	
101	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
100	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
99	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
98	Connective Tissue Disorders **2016**, 624-640		
97	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
96	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
95	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
94	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
93	Marfan Syndrome and Related Heritable Thoracic Aortic Aneurysms and Dissections **2015**, 267-284		
92	Genetic Defects in TAPT1 Disrupt Ciliogenesis and Cause a Complex Lethal Osteochondrodysplasia. *American Journal of Human Genetics*, **2015**, 97, 521-34	11	23
91	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
90	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
89	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
88	Perspectives on the revised Ghent criteria for the diagnosis of Marfan syndrome. *The Application of Clinical Genetics*, **2015**, 8, 137-55	3.1	88
87	Managing aortic aneurysms and dissections during pregnancy. *Expert Review of Cardiovascular Therapy*, **2015**, 13, 703-14	2.5	5

86	MAT2A mutations predispose individuals to thoracic aortic aneurysms. *American Journal of Human Genetics*, **2015**, 96, 170-7	11	68
85	Type B aortic dissection triggered by heart transplantation in a patient with Marfan syndrome. *BMJ Case Reports*, **2015**, 2015,	0.9	10
84	Marfan Syndrome and Related Heritable Thoracic Aortic Aneurysms and Dissections. *Current Pharmaceutical Design*, **2015**, 21, 4061-75	3.3	10
83	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
82	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
81	A different view on predictors of pulmonary hypertension in secundum atrial septal defect. *International Journal of Cardiology*, **2014**, 176, 833-40	3.2	48
80	Relation between genotype and left-ventricular dilatation in patients with Marfan syndrome. *Gene*, **2014**, 534, 40-3	3.8	25
79	Treatment of pre-existing cardiomyopathy during pregnancy. *Acta Cardiologica*, **2014**, 69, 193-6	0.9	6
78	Absence of cardiovascular manifestations in a haploinsufficient Tgfbr1 mouse model. *PLoS ONE*, **2014**, 9, e89749	3.7	9
77	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
76	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
75	Atenolol versus losartan in children and young adults with Marfan's syndrome. *New England Journal of Medicine*, **2014**, 371, 2061-71	59.2	347
74	Heart failure in pregnant women with cardiac disease: data from the ROPAC. *Heart*, **2014**, 100, 231-8	5.1	133
73	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
72	Multiple aneurysms in a patient with aneurysms-osteoarthritis syndrome. *Annals of Thoracic Surgery* , **2013**, 95, 332-5	2.7	23
71	Prevalence of Fabry disease in a predominantly hypertensive population with left ventricular hypertrophy. *International Journal of Cardiology*, **2013**, 167, 2555-60	3.2	27
70	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
69	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

68	Aneurysm-osteoarthritis syndrome with visceral and iliac artery aneurysms. *Journal of Vascular Surgery*, **2013**, 57, 96-102	3.5	25
67	Predictive model for late atrial arrhythmia after closure of an atrial septal defect. *International Journal of Cardiology*, **2013**, 164, 318-22	3.2	16
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, 657-66	5.8	43
65	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
64	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
63	Characterization of cardiovascular involvement in pseudoxanthoma elasticum families. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2013**, 33, 2646-52	9.4	37
62	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
61	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
60	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
59	Genes in thoracic aortic aneurysms/dissections - do they matter?. *Annals of Cardiothoracic Surgery*, **2013**, 2, 73-82	4.7	22
58	The new Ghent criteria for Marfan syndrome: what do they change?. *Clinical Genetics*, **2012**, 81, 433-42	4	66
57	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
56	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
55	In-frame mutations in exon 1 of SKI cause dominant Shprintzen-Goldberg syndrome. *American Journal of Human Genetics*, **2012**, 91, 950-7	11	80
54	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
53	Right ventricular function in patients with Eisenmenger syndrome. *American Journal of Cardiology*, **2012**, 109, 1206-11	3	24
52	Phenotypic spectrum of the SMAD3-related aneurysms-osteoarthritis syndrome. *Journal of Medical Genetics*, **2012**, 49, 47-57	5.8	189
51	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

50	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
49	Applying massive parallel sequencing to molecular diagnosis of Marfan and Loeys-Dietz syndromes. *Human Mutation*, **2011**, 32, 1053-62	4.7	58
48	Iron deficiency is associated with adverse outcome in Eisenmenger patients. *European Heart Journal*, **2011**, 32, 2790-9	9.5	59
47	Short stature, severe aortic root dilation, skin hyperextensibility, extreme joint laxity and craniofacial dysmorphic features: a probable new syndrome. *Clinical Dysmorphology*, **2010**, 19, 119-122	0.9	
46	Cardiovascular manifestations in men and women carrying a FBN1 mutation. *European Heart Journal*, **2010**, 31, 2223-9	9.5	98
45	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
44	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
43	The revised Ghent nosology for the Marfan syndrome. *Journal of Medical Genetics*, **2010**, 47, 476-85	5.8	1282
42	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
41	Circulating transforming growth factor-beta in Marfan syndrome. *Circulation*, **2009**, 120, 526-32	16.7	219
40	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
39	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
38	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
37	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
36	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
35	Marfan and Marfan-like syndromes. *Artery Research*, **2009**, 3, 9	2.2	7
34	The Belgian Eisenmenger syndrome registry: implications for treatment strategies?. *Acta Cardiologica*, **2009**, 64, 447-53	0.9	29
33	Effect of an abdominal aortic aneurysm on wave reflection in the aorta. *IEEE Transactions on Biomedical Engineering*, **2008**, 55, 1602-11	5	44

32	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
31	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
30	Absence of arterial phenotype in mice with homozygous slc2A10 missense substitutions. *Genesis*, **2008**, 46, 385-9	1.9	26
29	Arterial tortuosity syndrome: clinical and molecular findings in 12 newly identified families. *Human Mutation*, **2008**, 29, 150-8	4.7	255
28	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
27	Successful alcohol septal ablation for late recurrence of left ventricular outflow tract obstruction after surgical myectomy in hypertrophic obstructive cardiomyopathy. *Acta Cardiologica*, **2008**, 63, 271-5	0.9	
26	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
25	Marfan Syndrome **2007**, 1-6		
24	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
23	Utility of molecular analyses in the exploration of extreme intrafamilial variability in the Marfan syndrome. *Clinical Genetics*, **2007**, 72, 188-98	4	39
22	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
21	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
20	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
19	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
18	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
17	Aneurysm syndromes caused by mutations in the TGF-beta receptor. *New England Journal of Medicine*, **2006**, 355, 788-98	59.2	1243
16	Primary impairment of left ventricular function in Marfan syndrome. *International Journal of Cardiology*, **2006**, 112, 353-8	3.2	95
15	Mutations in the facilitative glucose transporter GLUT10 alter angiogenesis and cause arterial tortuosity syndrome. *Nature Genetics*, **2006**, 38, 452-7	36.3	303

14	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
13	Genetics of left ventricular outflow tract abnormalities. *Acta Cardiologica*, **2006**, 61, 202-3	0.9	
12	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
11	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
10	Evaluation of left ventricular dimensions and function in Marfan's syndrome without significant valvular regurgitation. *American Journal of Cardiology*, **2005**, 95, 795-7	3	64
9	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
8	DUP25 remains unconfirmed. *American Journal of Medical Genetics Part A*, **2004**, 131, 320-1		3
7	Comprehensive molecular screening of the FBN1 gene favors locus homogeneity of classical Marfan syndrome. *Human Mutation*, **2004**, 24, 140-6	4.7	177
6	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
5	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
4	Parameters of inflammation and infection in a community based case-control study of coronary heart disease. *Atherosclerosis*, **2002**, 160, 457-63	3.1	34
3	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
2	Connective Tissue Disorders537-546		
1	Treatment of pre-existing cardiomyopathy during pregnancy		1