

Bart H Bijmens

List of Publications by Year in descending order

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Version: 2024-02-01

305
papers

13,566
citations

21215

62
h-index

32181

105
g-index

318
all docs

318
docs citations

318
times ranked

11217
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine-learning-based exploration to identify remodeling patterns associated with death or heart-transplant in pediatric-dilated cardiomyopathy. <i>Journal of Heart and Lung Transplantation</i> , 2022, 41, 516-526.	0.3	11
2	False Lumen Flow Assessment by Magnetic Resonance Imaging and Long-Term Outcomes in Uncomplicated Aortic Dissection. <i>Journal of the American College of Cardiology</i> , 2022, 79, 2415-2427.	1.2	15
3	Distribution of myocardial work in arterial hypertension: insights from non-invasive left ventricular pressure-strain relations. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 145-154.	0.7	28
4	Integration of artificial intelligence into clinical patient management: focus on cardiac imaging. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2021, 74, 72-80.	0.4	7
5	La integraci3n de la inteligencia artificial en elAbordaje cl3nico del paciente: enfoque en la imagen cardiaca. <i>Revista Espanola De Cardiologia</i> , 2021, 74, 72-80.	0.6	13
6	Understanding right ventricular dyssynchrony: Its myriad determinants and clinical relevance. <i>Experimental Physiology</i> , 2021, 106, 797-800.	0.9	1
7	Septal curvature as a robust and reproducible marker for basal septal hypertrophy. <i>Journal of Hypertension</i> , 2021, 39, 1421-1428.	0.3	7
8	Right Ventricular Global and Regional Remodeling in American-Style Football Athletes: A Longitudinal 3D Echocardiographic Study. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3357.	1.3	3
9	Etiology-Discriminative Multimodal Imaging of Left Ventricular Hypertrophy and Synchrotron-Based Assessment of Microstructural Tissue Remodeling. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 670734.	1.1	5
10	Volumetric parcellation of the cardiac right ventricle for regional geometric and functional assessment. <i>Medical Image Analysis</i> , 2021, 71, 102044.	7.0	5
11	Automated Pattern Recognition in Whole-Cardiac Cycle Echocardiographic Data: Capturing Functional Phenotypes with Machine Learning. <i>Journal of the American Society of Echocardiography</i> , 2021, 34, 1170-1183.	1.2	10
12	Comprehensive assessment of myocardial remodeling in ischemic heart disease by synchrotron propagation based X-ray phase contrast imaging. <i>Scientific Reports</i> , 2021, 11, 14020.	1.6	14
13	Exercise Capacity in Young Adults Born Small for Gestational Age. <i>JAMA Cardiology</i> , 2021, 6, 1308.	3.0	21
14	Postsystolic thickening is a potential new clinical sign of injured myocardium in marfan syndrome. <i>Scientific Reports</i> , 2021, 11, 15790.	1.6	2
15	Towards Mesh-Free Patient-Specific Mitral Valve Modeling. <i>Lecture Notes in Computer Science</i> , 2021, , 66-75.	1.0	1
16	Machine Learning for Clinical Decision-Making: Challenges and Opportunities in Cardiovascular Imaging. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 765693.	1.1	26
17	Analysis of nonstandardized stress echocardiography sequences using multiview dimensionality reduction. <i>Medical Image Analysis</i> , 2020, 60, 101594.	7.0	6
18	Machine Learning in Fetal Cardiology: What to Expect. <i>Fetal Diagnosis and Therapy</i> , 2020, 47, 363-372.	0.6	66

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19	Variability in the Assessment of Myocardial Strain Patterns: Implications for Adequate Interpretation. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 244-254.	0.7	4
20	Pulmonary transit of contrast during exercise is related to improved cardio-pulmonary performance in highly trained endurance athletes. <i>European Journal of Preventive Cardiology</i> , 2020, 27, 1504-1514.	0.8	3
21	Handling confounding variables in statistical shape analysis - application to cardiac remodelling. <i>Medical Image Analysis</i> , 2020, 65, 101792.	7.0	9
22	Comprehensive data integrationâ€”Toward a more personalized assessment of diastolic function. <i>Echocardiography</i> , 2020, 37, 1926-1935.	0.3	0
23	Calibration of a fully coupled electromechanical meshless computational model of the heart with experimental data. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 364, 112869.	3.4	6
24	Three-dimensional regional bi-ventricular shape remodeling is associated with exercise capacity in endurance athletes. <i>European Journal of Applied Physiology</i> , 2020, 120, 1227-1235.	1.2	10
25	Basal Ventricular Septal Hypertrophy in Systemic Hypertension. <i>American Journal of Cardiology</i> , 2020, 125, 1339-1346.	0.7	23
26	Main Patterns of Fetal Cardiac Remodeling. <i>Fetal Diagnosis and Therapy</i> , 2020, 47, 337-344.	0.6	27
27	Structural coronary artery remodelling in the rabbit fetus as a result of intrauterine growth restriction. <i>PLoS ONE</i> , 2019, 14, e0218192.	1.1	5
28	Should the septum be included in the assessment of right ventricular longitudinal strain? An ultrasound two-dimensional speckle-tracking stress study. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 1853-1860.	0.7	9
29	Breaking the state of the heart: meshless model for cardiac mechanics. <i>Biomechanics and Modeling in Mechanobiology</i> , 2019, 18, 1549-1561.	1.4	22
30	Comprehensive Analysis of Animal Models of Cardiovascular Disease using Multiscale X-Ray Phase Contrast Tomography. <i>Scientific Reports</i> , 2019, 9, 6996.	1.6	33
31	Cardiac performance after an endurance open water swimming race. <i>European Journal of Applied Physiology</i> , 2019, 119, 961-970.	1.2	10
32	Impact of Interventricular Interactions on Left Ventricular Function, Stroke Volume, and Exercise Capacity in Children and Adults With Ebsteinâ€™s Anomaly. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 925-927.	2.3	12
33	Machine learningâ€“based phenogrouping in heart failure to identify responders to cardiac resynchronization therapy. <i>European Journal of Heart Failure</i> , 2019, 21, 74-85.	2.9	175
34	Postnatal persistence of fetal cardiovascular remodelling associated with assisted reproductive technologies: a cohort study. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2019, 126, 291-298.	1.1	37
35	HEART RATE REDUCTION IMPROVES BIVENTRICULAR FUNCTION AND INTERACTIONS IN EXPERIMENTAL PULMONARY HYPERTENSION. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H542-H551.	1.5	15
36	Machine Learning Analysis of Left Ventricular Function to Characterize Heart Failure With Preserved Ejection Fraction. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e007138.	1.3	95

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37	Remodeling of the cardiovascular circulation in fetuses of mothers with diabetes: A fetal computational model analysis. <i>Placenta</i> , 2018, 63, 1-6.	0.7	2
38	Online versus offline spatiotemporal image correlation (STIC) M-mode for the evaluation of cardiac longitudinal annular displacement in fetal growth restriction. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2018, 31, 1845-1850.	0.7	4
39	Fetal cardiac remodeling in twin pregnancy conceived by assisted reproductive technology. <i>Ultrasound in Obstetrics and Gynecology</i> , 2018, 51, 94-100.	0.9	16
40	Modeling liver electrical conductivity during hypertonic injection. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2018, 34, e2904.	1.0	2
41	A computational model-based approach for atlas construction of aortic Doppler velocity profiles for segmentation purposes. <i>Biomedical Signal Processing and Control</i> , 2018, 40, 23-32.	3.5	3
42	Relationship between the left ventricular size and the amount of trabeculations. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2018, 34, e2939.	1.0	24
43	MicroCT imaging reveals differential 3D micro-scale remodelling of the murine aorta in ageing and Marfan syndrome. <i>Theranostics</i> , 2018, 8, 6038-6052.	4.6	17
44	Complex Congenital Heart Disease Associated With Disordered Myocardial Architecture in a Midtrimester Human Fetus. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e007753.	1.3	40
45	Quantification of Right Ventricular Electromechanical Dyssynchrony in Relation to Right Ventricular Function and Clinical Outcomes in Children with Repaired Tetralogy of Fallot. <i>Journal of the American Society of Echocardiography</i> , 2018, 31, 822-830.	1.2	28
46	Quantification of the detailed cardiac left ventricular trabecular morphogenesis in the mouse embryo. <i>Medical Image Analysis</i> , 2018, 49, 89-104.	7.0	10
47	Added value of cardiac deformation imaging in differential diagnosis of left ventricular hypertrophy. <i>Global Cardiology Science & Practice</i> , 2018, 2018, 21.	0.3	3
48	Machine learning from fetal flow waveforms to predict adverse perinatal outcomes: a study protocol. <i>Gates Open Research</i> , 2018, 2, 8.	2.0	7
49	The Quantification of Myocardial remodelling in a Rat Model of Myocardial Infarction by Synchrotron X-ray Phase Contrast Imaging. <i>Cardiologia Croatica</i> , 2018, 13, 433-434.	0.0	0
50	Basal septal hypertrophy in patients with hypertension: a non-invasive assessment of segmental myocardial work with left ventricular pressure-strain relations. <i>Cardiologia Croatica</i> , 2018, 13, 411-412.	0.0	0
51	Left ventricular dysfunction is related to the presence and extent of a septal flash in patients with right ventricular pacing. <i>Europace</i> , 2017, 19, euw020.	0.7	19
52	Characterization of myocardial motion patterns by unsupervised multiple kernel learning. <i>Medical Image Analysis</i> , 2017, 35, 70-82.	7.0	49
53	Understanding the Aortic Isthmus Doppler Profile and Its Changes with Gestational Age Using a Lumped Model of the Fetal Circulation. <i>Fetal Diagnosis and Therapy</i> , 2017, 41, 41-50.	0.6	7
54	Persistence of Cardiac Remodeling in Preadolescents With Fetal Growth Restriction. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	1.3	60

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55	Quantitative Analysis of Electro-Anatomical Maps: Application to an Experimental Model of Left Bundle Branch Block/Cardiac Resynchronization Therapy. IEEE Journal of Translational Engineering in Health and Medicine, 2017, 5, 1-15.	2.2	11
56	Influence of gender on right ventricle adaptation to endurance exercise: an ultrasound two-dimensional speckle-tracking stress study. European Journal of Applied Physiology, 2017, 117, 389-396.	1.2	26
57	Assessment of myocardial ischemia by strain dobutamine stress echocardiography and cardiac magnetic resonance perfusion imaging before and after coronary artery bypass grafting. Echocardiography, 2017, 34, 557-566.	0.3	7
58	Severity of structural and functional right ventricular remodeling depends on training load in an experimental model of endurance exercise. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H459-H468.	1.5	29
59	Gender influence on the adaptation of atrial performance to training. European Journal of Sport Science, 2017, 17, 720-726.	1.4	28
60	Cardiovascular Benefits of Moderate Exercise Training in Marfan Syndrome: Insights From an Animal Model. Journal of the American Heart Association, 2017, 6, .	1.6	39
61	PPAR α agonists acutely inhibit calcium-independent PLA2 to reduce H2O2-induced contractions in aortae of spontaneously hypertensive rats. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 314, ajpheart.00314..	1.5	3
62	Experimentally induced intrauterine growth restriction in rabbits leads to differential remodelling of left versus right ventricular myocardial microstructure. Histochemistry and Cell Biology, 2017, 148, 557-567.	0.8	21
63	Descriptive analysis of different phenotypes of cardiac remodeling in fetal growth restriction. Ultrasound in Obstetrics and Gynecology, 2017, 50, 207-214.	0.9	69
64	Patient independent representation of the detailed cardiac ventricular anatomy. Medical Image Analysis, 2017, 35, 270-287.	7.0	13
65	Differential effect of assisted reproductive technology and smallâ€forâ€gestational age on fetal cardiac remodeling. Ultrasound in Obstetrics and Gynecology, 2017, 50, 63-70.	0.9	16
66	Characterizing the spectrum of right ventricular remodelling in response to chronic training. International Journal of Cardiovascular Imaging, 2017, 33, 331-339.	0.7	13
67	Whole heart detailed and quantitative anatomy, myofibre structure and vasculature from X-ray phase-contrast synchrotron radiation-based micro computed tomography. European Heart Journal Cardiovascular Imaging, 2017, 18, 732-741.	0.5	50
68	A two dimensional electromechanical model of a cardiomyocyte to assess intra-cellular regional mechanical heterogeneities. PLoS ONE, 2017, 12, e0182915.	1.1	5
69	False Lumen Flow Patterns and their Relation with Morphological and Biomechanical Characteristics of Chronic Aortic Dissections. Computational Model Compared with Magnetic Resonance Imaging Measurements. PLoS ONE, 2017, 12, e0170888.	1.1	26
70	Microstructural Analysis of Cardiac Endomyocardial Biopsies with Synchrotron Radiation-Based X-Ray Phase Contrast Imaging. Lecture Notes in Computer Science, 2017, , 23-31.	1.0	6
71	3D membrane segmentation and quantification of intact thick cells using cryo soft X-ray transmission microscopy: A pilot study. PLoS ONE, 2017, 12, e0174324.	1.1	4
72	Assessment of Haemodynamic Remodeling in Fetal Aortic Coarctation Using a Lumped Model of the Circulation. Lecture Notes in Computer Science, 2017, , 471-480.	1.0	1

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73	Estimating 3D Ventricular Shape From 2D Echocardiography: Feasibility and Effect of Noise. Lecture Notes in Computer Science, 2017, , 450-460.	1.0	0
74	Zidovudine treatment in HIV-infected pregnant women is associated with fetal cardiac remodelling. Aids, 2016, 30, 1393-1401.	1.0	33
75	Differential atrial performance at rest and exercise in athletes: Potential trigger for developing atrial dysfunction?. Scandinavian Journal of Medicine and Science in Sports, 2016, 26, 1444-1454.	1.3	30
76	Fetal cardiovascular remodeling persists at 6 months in infants with intrauterine growth restriction. Ultrasound in Obstetrics and Gynecology, 2016, 48, 349-356.	0.9	88
77	Adverse ventricular-ventricular interactions in right ventricular pressure load: Insights from pediatric pulmonary hypertension versus pulmonary stenosis. Physiological Reports, 2016, 4, e12833.	0.7	24
78	The septal bulge is an early echocardiographic sign in hypertensive heart disease. Journal of the American Society of Hypertension, 2016, 10, 70-80.	2.3	34
79	La función de la aurícula izquierda está alterada en algunos pacientes con ictus criptogámico: potenciales implicaciones en su evaluación y tratamiento. Revista Espanola De Cardiologia, 2016, 69, 650-656.	0.6	11
80	Left Atrial Function Is Impaired in Some Patients With Stroke of Undetermined Etiology: Potential Implications for Evaluation and Therapy. Revista Espanola De Cardiologia (English Ed), 2016, 69, 650-656.	0.4	12
81	Prognostic Value of Left Atrial Strain in Outpatients with De Novo Heart Failure. Journal of the American Society of Echocardiography, 2016, 29, 1035-1042.e1.	1.2	37
82	Acute, Exercise Dose-Dependent Impairment in Atrial Performance During an Endurance Race. JACC: Cardiovascular Imaging, 2016, 9, 1380-1388.	2.3	33
83	High-sensitivity Troponin: A Clinical Blood Biomarker for Staging Cardiomyopathy in Fabry Disease. Journal of the American Heart Association, 2016, 5, .	1.6	55
84	Comparison of Two Different Ultrasound Systems for the Evaluation of Tissue Doppler Velocities in Fetuses. Fetal Diagnosis and Therapy, 2016, 40, 35-40.	0.6	10
85	Usefulness of an Implantable Loop Recorder to Detect Clinically Relevant Arrhythmias in Patients With Advanced Fabry Cardiomyopathy. American Journal of Cardiology, 2016, 118, 264-274.	0.7	53
86	Heart morphology differences induced by intrauterine growth restriction and preterm birth measured on the ECG at preadolescent age. Journal of Electrocardiology, 2016, 49, 401-409.	0.4	9
87	Dyssynchronization reduces dynamic obstruction without affecting systolic function in patients with hypertrophic obstructive cardiomyopathy: a pilot study. International Journal of Cardiovascular Imaging, 2016, 32, 1179-1188.	0.7	7
88	Inter-individual variability in right ventricle adaptation after an endurance race. European Journal of Preventive Cardiology, 2016, 23, 1114-1124.	0.8	26
89	Influence of breastfeeding and postnatal nutrition on cardiovascular remodeling induced by fetal growth restriction. Pediatric Research, 2016, 79, 100-106.	1.1	54
90	Heart morphology differences induced by intrauterine growth restriction and premature birth measured on the ECG in pre-adolescents. , 2015, , .		0

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91	Interatrial Dyssynchrony May Contribute to Heart Failure Symptoms in Patients with Preserved Ejection Fraction. <i>Echocardiography</i> , 2015, 32, 1655-1661.	0.3	7
92	Changes in Right Ventricular Shape and Deformation Following Coronary Artery Bypass Surgery—Insights from Echocardiography with Strain Rate and Magnetic Resonance Imaging. <i>Echocardiography</i> , 2015, 32, 1809-1820.	0.3	34
93	Validation of numerical flow simulations against <i>in vitro</i> phantom measurements in different type B aortic dissection scenarios. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015, 18, 805-815.	0.9	20
94	Left atrial dysfunction relates to symptom onset in patients with heart failure and preserved left ventricular ejection fraction. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 62-67.	0.5	84
95	Left atrial deformation predicts success of first and second percutaneous atrial fibrillation ablation. <i>Heart Rhythm</i> , 2015, 12, 11-18.	0.3	70
96	Maternal subclinical vascular changes in fetal growth restriction with and without pre-eclampsia. <i>Ultrasound in Obstetrics and Gynecology</i> , 2015, 46, 706-712.	0.9	16
97	Impact of monitoring longitudinal systolic strain changes during serial echocardiography on outcome in patients with AL amyloidosis. <i>International Journal of Cardiovascular Imaging</i> , 2015, 31, 1401-1412.	0.7	20
98	Severe regional myocardial dysfunction by stress echocardiography does not predict the presence of transmural scarring in chronic coronary artery disease. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 1074-1081.	0.5	10
99	Patient-specific estimates of vascular and placental properties in growth-restricted fetuses based on a model of the fetal circulation. <i>Placenta</i> , 2015, 36, 981-989.	0.7	12
100	Quantification of local changes in myocardial motion by diffeomorphic registration via currents: Application to paced hypertrophic obstructive cardiomyopathy in 2D echocardiographic sequences. <i>Medical Image Analysis</i> , 2015, 19, 203-219.	7.0	5
101	Assessment of Myofiber Orientation in High Resolution Phase-Contrast CT Images. <i>Lecture Notes in Computer Science</i> , 2015, , 111-119.	1.0	8
102	Subject Independent Reference Frame for the Left Ventricular Detailed Cardiac Anatomy. <i>Lecture Notes in Computer Science</i> , 2015, , 240-247.	1.0	1
103	Assessment of Wall Elasticity Variations on Intraluminal Haemodynamics in Descending Aortic Dissections Using a Lumped-Parameter Model. <i>PLoS ONE</i> , 2015, 10, e0124011.	1.1	11
104	Left Ventricular Geometry and Blood Pressure as Predictors of Adverse Progression of Fabry Cardiomyopathy. <i>PLoS ONE</i> , 2015, 10, e0140627.	1.1	27
105	A Computational Model of the Fetal Circulation to Quantify Blood Redistribution in Intrauterine Growth Restriction. <i>PLoS Computational Biology</i> , 2014, 10, e1003667.	1.5	48
106	Atrial apoptosis and fibrosis adversely affect atrial conduit, reservoir and contractile functions. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2014, 19, 223-230.	0.5	34
107	Aortic and carotid intima-media thickness in term small-for-gestational-age newborns and relationship with prenatal signs of severity. <i>Ultrasound in Obstetrics and Gynecology</i> , 2014, 43, 625-631.	0.9	37
108	Gene Mutations Versus Clinically Relevant Phenotypes. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 8-16.	5.1	118

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109	Automated cardiac sarcomere analysis from second harmonic generation images. <i>Journal of Biomedical Optics</i> , 2014, 19, 056010.	1.4	9
110	Mechanisms of Right Ventricular Electromechanical Dyssynchrony and Mechanical Inefficiency in Children After Repair of Tetralogy of Fallot. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 610-618.	1.3	53
111	Influence of dynamic obstruction and hypertrophy location on diastolic function in hypertrophic cardiomyopathy. <i>Journal of Cardiovascular Medicine</i> , 2014, 15, 207-213.	0.6	4
112	A fetal cardiovascular score to predict infant hypertension and arterial remodeling in intrauterine growth restriction. <i>American Journal of Obstetrics and Gynecology</i> , 2014, 210, 552.e1-552.e22.	0.7	70
113	Atrial functional and geometrical remodeling in highly trained male athletes: for better or worse?. <i>European Journal of Applied Physiology</i> , 2014, 114, 1143-1152.	1.2	41
114	Septal flash predicts cardiac resynchronization therapy response in patients with permanent atrial fibrillation. <i>Europace</i> , 2014, 16, 1342-1349.	0.7	17
115	Left atrial size and function by three-dimensional echocardiography to predict arrhythmia recurrence after first and repeated ablation of atrial fibrillation. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 515-522.	0.5	43
116	Mechanical Abnormalities Detected With Conventional Echocardiography Are Associated With Response and Midterm Survival in CRT. <i>JACC: Cardiovascular Imaging</i> , 2014, 7, 969-979.	2.3	55
117	Myocardial motion and deformation patterns in an experimental swine model of acute LBBB/CRT and chronic infarct. <i>International Journal of Cardiovascular Imaging</i> , 2014, 30, 875-887.	0.7	12
118	Postsystolic Shortening by Myocardial Deformation Imaging as a Sign of Cardiac Adaptation to Pressure Overload in Fetal Growth Restriction. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 781-787.	1.3	70
119	Integration of Mechanical, Structural and Electrical Imaging to Understand Response to Cardiac Resynchronization Therapy. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2014, 67, 813-821.	0.4	2
120	Integración de la imagen mecánica, estructural y eléctrica para entender la respuesta a la terapia de resincronización cardíaca. <i>Revista Espanola De Cardiologia</i> , 2014, 67, 813-821.	0.6	6
121	Improved Myocardial Motion Estimation Combining Tissue Doppler and B-Mode Echocardiographic Images. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 2098-2106.	5.4	5
122	Permanent Cardiac Sarcomere Changes in a Rabbit Model of Intrauterine Growth Restriction. <i>PLoS ONE</i> , 2014, 9, e113067.	1.1	21
123	Predictive Value of Assessing Diastolic Strain Rate on Survival in Cardiac Amyloidosis Patients with Preserved Ejection Fraction. <i>PLoS ONE</i> , 2014, 9, e115910.	1.1	31
124	Absolute joint moments: a novel image similarity measure. <i>Eurasip Journal on Image and Video Processing</i> , 2013, 2013, .	1.7	3
125	Development of a Swine Model of Left Bundle Branch Block for Experimental Studies of Cardiac Resynchronization Therapy. <i>Journal of Cardiovascular Translational Research</i> , 2013, 6, 616-622.	1.1	18
126	Atlas Construction for Cardiac Velocity Profiles Segmentation Using a Lumped Computational Model of Circulatory System. <i>Lecture Notes in Computer Science</i> , 2013, , 89-96.	1.0	0

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127	Intrauterine growth restriction is associated with cardiac ultrastructural and gene expression changes related to the energetic metabolism in a rabbit model. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H1752-H1760.	1.5	24
128	Effect of Cardiac Resynchronization Therapy on Left Ventricular Diastolic Function: Implications for Clinical Outcome. <i>Journal of Cardiac Failure</i> , 2013, 19, 795-801.	0.7	13
129	An in vitro phantom study on the influence of tear size and configuration on the hemodynamics of the lumina in chronic type B aortic dissections. <i>Journal of Vascular Surgery</i> , 2013, 57, 464-474.e5.	0.6	84
130	Patterns of maternal vascular remodeling and responsiveness in early- versus late-onset preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 2013, 209, 558.e1-558.e14.	0.7	50
131	Using Simple Imaging Markers to Predict Prognosis in Patients With Aortic Valve Stenosis and Unacceptable High Risk for Operation. <i>American Journal of Cardiology</i> , 2013, 112, 1819-1827.	0.7	5
132	Noncompaction Cardiomyopathy is Associated With Mechanical Dyssynchrony: A Potential Underlying Mechanism for Favorable Response to Cardiac Resynchronization Therapy. <i>Journal of Cardiac Failure</i> , 2013, 19, 80-86.	0.7	10
133	Assisted Reproductive Technologies Are Associated With Cardiovascular Remodeling In Utero That Persists Postnatally. <i>Circulation</i> , 2013, 128, 1442-1450.	1.6	138
134	Effect of Combined Systolic and Diastolic Functional Parameter Assessment for Differentiation of Cardiac Amyloidosis From Other Causes of Concentric Left Ventricular Hypertrophy. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 1066-1072.	1.3	150
135	Reliability of quantitative elastography of the uterine cervix in at-term pregnancies. <i>Journal of Perinatal Medicine</i> , 2013, 41, 421-427.	0.6	28
136	Influence of Atrioventricular Interaction on Mitral Valve Closure and Left Ventricular Isovolumic Contraction Measured by Tissue Doppler Imaging. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 109-116.	1.3	13
137	Clinical implication of mitral annular plane systolic excursion for patients with cardiovascular disease. <i>European Heart Journal Cardiovascular Imaging</i> , 2013, 14, 205-212.	0.5	145
138	Value of annular M-mode displacement <i>vs</i> tissue Doppler velocities to assess cardiac function in intrauterine growth restriction. <i>Ultrasound in Obstetrics and Gynecology</i> , 2013, 42, 175-181.	0.9	74
139	Impact of Regional Left Ventricular Function on Outcome for Patients with AL Amyloidosis. <i>PLoS ONE</i> , 2013, 8, e56923.	1.1	23
140	Improving Clinical Translation of Cardiovascular Circulatory Models through an Intuitive Graphical User Interface to CircAdapt, Presenting Simulation Results as Clinical Images and Signals. <i>Lecture Notes in Computer Science</i> , 2013, , 345-354.	1.0	2
141	Understanding Prenatal Brain Sparing by Flow Redistribution Based on a Lumped Model of the Fetal Circulation. <i>Lecture Notes in Computer Science</i> , 2013, , 123-131.	1.0	3
142	Manifold Learning Characterization of Abnormal Myocardial Motion Patterns: Application to CRT-Induced Changes. <i>Lecture Notes in Computer Science</i> , 2013, , 450-457.	1.0	1
143	Principles of 3D Echocardiographic Imaging. , 2013, , 1-10.		1
144	Exercise Induced Inter-individual Variation of Right Ventricular Pressures: Simulations Using a Modular Model of the Cardiovascular System. <i>Lecture Notes in Computer Science</i> , 2013, , 336-344.	1.0	0

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145	Cardiac Microstructure Estimation from Multi-photon Confocal Microscopy Images. Lecture Notes in Computer Science, 2013, , 80-88.	1.0	1
146	Understanding Hemodynamics and Its Determinant Factors in Type B Aortic Dissections Using an Equivalent Lumped Model. Lecture Notes in Computer Science, 2013, , 375-382.	1.0	0
147	Myocardial Motion Estimation Combining Tissue Doppler and B-mode Echocardiographic Images. Lecture Notes in Computer Science, 2013, 16, 484-491.	1.0	2
148	Differentiation Between Fresh and Old Left Ventricular Thrombi by Deformation Imaging. Circulation: Cardiovascular Imaging, 2012, 5, 667-675.	1.3	20
149	Evaluating patients for CRT, what is relevant: identifying responders or estimating the amount of potential response?. Anatolian Journal of Cardiology, 2012, 12, 276; author reply 277-8.	0.4	0
150	The Heart in Friedreich Ataxia. Circulation, 2012, 125, 1626-1634.	1.6	119
151	Long-Term Outcome of Aortic Dissection With Patent False Lumen. Circulation, 2012, 125, 3133-3141.	1.6	327
152	Myocardial Motion and Deformation: What Does It Tell Us and How Does It Relate to Function?. Fetal Diagnosis and Therapy, 2012, 32, 5-16.	0.6	66
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