

Raquel Yotti

List of Publications by Year in descending order

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73
papers

4,015
citations

201658

27
h-index

128286

60
g-index

81
all docs

81
docs citations

81
times ranked

8119
citing authors

#	ARTICLE	IF	CITATIONS
1	Prevalence of SARS-CoV-2 in Spain (ENE-COVID): a nationwide, population-based seroepidemiological study. <i>Lancet, The</i> , 2020, 396, 535-544.	13.7	1,465
2	Two-Dimensional Intraventricular Flow Mapping by Digital Processing Conventional Color-Doppler Echocardiography Images. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 1701-1713.	8.9	177
3	Sildenafil for improving outcomes in patients with corrected valvular heart disease and persistent pulmonary hypertension: a multicenter, double-blind, randomized clinical trial. <i>European Heart Journal</i> , 2018, 39, 1255-1264.	2.2	166
4	Infection fatality risk for SARS-CoV-2 in community dwelling population of Spain: nationwide seroepidemiological study. <i>BMJ, The</i> , 2020, 371, m4509.	6.0	150
5	Acellular human heart matrix: A critical step toward whole heart grafts. <i>Biomaterials</i> , 2015, 61, 279-289.	11.4	149
6	A Noninvasive Method for Assessing Impaired Diastolic Suction in Patients With Dilated Cardiomyopathy. <i>Circulation</i> , 2005, 112, 2921-2929.	1.6	130
7	Advances in the Genetic Basis and Pathogenesis of Sarcomere Cardiomyopathies. <i>Annual Review of Genomics and Human Genetics</i> , 2019, 20, 129-153.	6.2	108
8	Contribution of the Diastolic Vortex Ring to Left Ventricular Filling. <i>Journal of the American College of Cardiology</i> , 2014, 64, 1711-1721.	2.8	102
9	Systemic Vascular Load in Calcific Degenerative Aortic Valve Stenosis. <i>Journal of the American College of Cardiology</i> , 2015, 65, 423-433.	2.8	102
10	The heart in liver transplantation. <i>Journal of Hepatology</i> , 2011, 54, 810-822.	3.7	84
11	Topology of Blood Transport in the Human Left Ventricle by Novel Processing of Doppler Echocardiography. <i>Annals of Biomedical Engineering</i> , 2013, 41, 2603-2616.	2.5	79
12	Doppler-Derived Ejection Intraventricular Pressure Gradients Provide a Reliable Assessment of Left Ventricular Systolic Chamber Function. <i>Circulation</i> , 2005, 112, 1771-1779.	1.6	77
13	Cardiac Dysfunction During Liver Transplantation: Incidence and Preoperative Predictors. <i>Transplantation</i> , 2008, 85, 1766-1772.	1.0	77
14	Intraventricular vortex properties in nonischemic dilated cardiomyopathy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H718-H729.	3.2	77
15	Safety and Efficacy of Intracoronary Infusion of Allogeneic Human Cardiac Stem Cells in Patients With ST-Segment Elevation Myocardial Infarction and Left Ventricular Dysfunction. <i>Circulation Research</i> , 2018, 123, 579-589.	4.5	64
16	Non-selective beta-blockers impair global circulatory homeostasis and renal function in cirrhotic patients with refractory ascites. <i>Journal of Hepatology</i> , 2020, 73, 1404-1414.	3.7	58
17	Noninvasive assessment of ejection intraventricular pressure gradients. <i>Journal of the American College of Cardiology</i> , 2004, 43, 1654-1662.	2.8	55
18	Validation of Noninvasive Indices of Global Systolic Function in Patients With Normal and Abnormal Loading Conditions. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 164-172.	2.6	55

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19	A clinical method for mapping and quantifying blood stasis in the left ventricle. <i>Journal of Biomechanics</i> , 2016, 49, 2152-2161.	2.1	54
20	Spatio-temporal mapping of intracardiac pressure gradients. A solution to Euler's equation from digital postprocessing of color Doppler M-mode echocardiograms. <i>Ultrasound in Medicine and Biology</i> , 2001, 27, 621-630.	1.5	50
21	Risk factors for excess mortality in adults with congenital heart diseases. <i>European Heart Journal</i> , 2017, 38, ehv590.	2.2	46
22	Rationale and Design of a Clinical Trial to Evaluate the Safety and Efficacy of Intracoronary Infusion of Allogeneic Human Cardiac Stem Cells in Patients With Acute Myocardial Infarction and Left Ventricular Dysfunction. <i>Circulation Research</i> , 2017, 121, 71-80.	4.5	46
23	Left ventricular systolic function is associated with sympathetic nervous activity and markers of inflammation in cirrhosis. <i>Hepatology</i> , 2017, 65, 2019-2030.	7.3	43
24	Effects of angiotensin converting enzyme inhibitors in hypertensive patients with aortic valve stenosis: a drug withdrawal study. <i>Heart</i> , 2005, 91, 1311-1318.	2.9	41
25	Noninvasive Estimation of the Rate of Relaxation by the Analysis of Intraventricular Pressure Gradients. <i>Circulation: Cardiovascular Imaging</i> , 2011, 4, 94-104.	2.6	37
26	Additional value of screening for minor genes and copy number variants in hypertrophic cardiomyopathy. <i>PLoS ONE</i> , 2017, 12, e0181465.	2.5	32
27	Natural History and Clinical Predictors of Atrial Tachycardia in Adults With Congenital Heart Disease. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2017, 10, .	4.8	29
28	Noninvasive Assessment of the Right Ventricular Filling Pressure Gradient. <i>Circulation</i> , 2007, 116, 1015-1023.	1.6	27
29	Impact of age and sex on survival and causes of death in adults with congenital heart disease. <i>International Journal of Cardiology</i> , 2017, 245, 119-124.	1.7	27
30	Role of copy number variants in sudden cardiac death and related diseases: genetic analysis and translation into clinical practice. <i>European Journal of Human Genetics</i> , 2018, 26, 1014-1025.	2.8	26
31	Estimation of the End of Ejection in Aortic Stenosis. <i>Circulation</i> , 2004, 110, 1114-1120.	1.6	24
32	Low-gradient aortic valve stenosis: value and limitations of dobutamine stress testing. <i>Heart</i> , 2007, 93, 298-302.	2.9	24
33	The Functional Significance of Paradoxical Low-Gradient Aortic Valve Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 29-39.	5.3	23
34	Impact of acute hypertension transients on diastolic function in patients with heart failure with preserved ejection fraction. <i>Cardiovascular Research</i> , 2017, 113, 906-914.	3.8	20
35	Stasis Mapping Using Ultrasound. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 514-515.	5.3	20
36	Diastolic chamber properties of the left ventricle assessed by global fitting of pressure-volume data: improving the gold standard of diastolic function. <i>Journal of Applied Physiology</i> , 2013, 115, 556-568.	2.5	19

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37	The Biological Bases of Group 2 Pulmonary Hypertension. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5884.	4.1	18
38	Persistent Pulmonary Hypertension in Corrected Valvular Heart Disease: Hemodynamic Insights and Long-Term Survival. <i>Journal of the American Heart Association</i> , 2021, 10, e019949.	3.7	18
39	The role of elastic restoring forces in right-ventricular filling. <i>Cardiovascular Research</i> , 2015, 107, 45-55.	3.8	15
40	Data from acellular human heart matrix. <i>Data in Brief</i> , 2016, 8, 211-219.	1.0	14
41	Age-Dependence of Flow Homeostasis in the Left Ventricle. <i>Frontiers in Physiology</i> , 2019, 10, 485.	2.8	13
42	Impact of image spatial, temporal, and velocity resolutions on cardiovascular indices derived from color-Doppler echocardiography. <i>Medical Image Analysis</i> , 2007, 11, 513-525.	11.6	12
43	Clinical assessment of intraventricular blood transport in patients undergoing cardiac resynchronization therapy. <i>Meccanica</i> , 2017, 52, 563-576.	2.0	12
44	Transvalvular jet velocity, aortic valve area, mortality, and cardiovascular outcomes. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 601-612.	1.2	12
45	Valve area and the risk of overestimating aortic stenosis. <i>Heart</i> , 2019, 105, heartjnl-2018-314482.	2.9	10
46	Support vector analysis of color-Doppler images: a new approach for estimating indices of left ventricular function. <i>IEEE Transactions on Medical Imaging</i> , 2006, 25, 1037-1043.	8.9	9
47	Gender differences in right ventricular function in patients with non-ischaemic cardiomyopathy. <i>Netherlands Heart Journal</i> , 2015, 23, 578-584.	0.8	9
48	Objective quantification of global and regional left ventricular systolic function by endocardial tracking of contrast echocardiographic sequences. <i>International Journal of Cardiology</i> , 2008, 124, 47-56.	1.7	8
49	Selección de lo mejor del año 2016 en cardiopatías congénitas. <i>Revista Espanola De Cardiologia</i> , 2017, 70, 299-300.	1.2	8
50	Cardiac function, A key component in evaluation for liver transplant. <i>Liver Transplantation</i> , 2018, 24, 7-8.	2.4	8
51	Acute myocarditis after urinary tract infection by <i>Escherichia coli</i> . <i>International Journal of Cardiology</i> , 2011, 152, e33-e34.	1.7	7
52	Risk predictors in a Spanish cohort with cardiac laminopathies. The REDLAMINA registry. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2021, 74, 216-224.	0.6	5
53	The natural matching of harmonic responses in the pulmonary circulation. <i>Journal of Physiology</i> , 2019, 597, 3853-3865.	2.9	4
54	How heavy is the load? The ventricular mechanics of mitral regurgitation revisited in the era of percutaneous therapies. <i>Heart</i> , 2017, 103, 567-569.	2.9	3

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55	The impact of Mediterranean diet on coronary plaque vulnerability, microvascular function, inflammation and microbiome after an acute coronary syndrome: study protocol for the MEDIMACS randomized, controlled, mechanistic clinical trial. <i>Trials</i> , 2021, 22, 795.	1.6	3
56	Left ventricular hypertrophy in aortic valve stenosis: friend or foe?. <i>Heart</i> , 2011, 97, 269-271.	2.9	2
57	QUANTITATIVE ASSESSMENT OF INTRAVENTRICULAR VORTICITY USING CONVENTIONAL COLOR-DOPPLER ULTRASOUND. HEAD TO HEAD CLINICAL VALIDATION AGAINST PHASE-CONTRAST MAGNETIC RESONANCE IMAGING. <i>Journal of the American College of Cardiology</i> , 2012, 59, E1128.	2.8	2
58	Pressure volume curves in cirrhosis: More than meets the eye. <i>Journal of Hepatology</i> , 2017, 67, 656-657.	3.7	2
59	Transient loss of consciousness with convulsions in two young adults with potentially fatal underlying heart disease: syncope versus seizures. <i>BMJ Case Reports</i> , 2009, 2009, bcr0620080285-bcr0620080285.	0.5	2
60	Reply. <i>Journal of the American College of Cardiology</i> , 2015, 65, 2574-2575.	2.8	1
61	Reply. <i>Journal of the American College of Cardiology</i> , 2015, 66, 1522-1523.	2.8	1
62	Selection of the Best in 2016 in Congenital Heart Diseases. <i>Revista Espanola De Cardiologia (English Ed)</i> Tj ETQq0 0,0 rgBT /Qverlock 10 0.6	0.6	1
63	The elephant in the room: reply. <i>European Heart Journal</i> , 2018, 39, 3397-3397.	2.2	1
64	Characterization of aortic input impedance in the supplemental domain. , 2005, , .		0
65	Noninvasive estimation of maximum elastance from color-doppler m-mode echocardiograms using support vector machines. , 2005, , .		0
66	Acute heart failure as presentation of left-ACAOS. <i>European Heart Journal</i> , 2013, 34, 2787-2787.	2.2	0
67	In Vivo Measurements of Blood Transport Patterns and Stasis in the Human Left Ventricle. , 2013, , .		0
68	Assessment of regional and global left ventricular function with electromechanical mapping: validation against MRI. A PRECISE substudy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, P143.	3.3	0
69	Imaging Techniques in Acute Heart Failure. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2015, 68, 612-623.	0.6	0
70	Reply. <i>Journal of the American College of Cardiology</i> , 2015, 66, 596-597.	2.8	0
71	On feature extraction for noninvasive kernel estimation of left ventricular chamber function indices from echocardiographic images. , 2015, 39, 63-79.		0
72	Impact of left ventricular late enhancement on pulmonary arterial hypertension in idiopathic dilated cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, P286.	3.3	0

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73	Ablación con éxito de un ritmo automático del haz de His. Revista Espanola De Cardiologia, 2003, 56, 207-210.	1.2	0