

# Raquel Yotti

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70  
papers

2,939  
citations

26  
h-index

54  
g-index

81  
ext. papers

3,773  
ext. citations

6.4  
avg, IF

4.52  
L-index

#	Paper	IF	Citations
70	Prevalence of SARS-CoV-2 in Spain (ENE-COVID): a nationwide, population-based seroepidemiological study. <i>Lancet, The</i> , <b>2020</b> , 396, 535-544	40	1000
69	Two-dimensional intraventricular flow mapping by digital processing conventional color-Doppler echocardiography images. <i>IEEE Transactions on Medical Imaging</i> , <b>2010</b> , 29, 1701-13	11.7	132
68	Acellular human heart matrix: A critical step toward whole heart grafts. <i>Biomaterials</i> , <b>2015</b> , 61, 279-89	15.6	124
67	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> , <b>2018</b> , 39, 1255-1264	9.5	105
66	A noninvasive method for assessing impaired diastolic suction in patients with dilated cardiomyopathy. <i>Circulation</i> , <b>2005</b> , 112, 2921-9	16.7	100
65	Impact of left ventricular late enhancement on pulmonary arterial hypertension in idiopathic dilated cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2015</b> , 17,	6.9	78
64	Assessment of regional and global left ventricular function with electromechanical mapping: validation against MRI. A PRECISE substudy. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2015</b> , 17,	6.9	78
63	Contribution of the diastolic vortex ring to left ventricular filling. <i>Journal of the American College of Cardiology</i> , <b>2014</b> , 64, 1711-21	15.1	77
62	Infection fatality risk for SARS-CoV-2 in community dwelling population of Spain: nationwide seroepidemiological study. <i>BMJ, The</i> , <b>2020</b> , 371, m4509	5.9	73
61	Systemic vascular load in calcific degenerative aortic valve stenosis: insight from percutaneous valve replacement. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 65, 423-33	15.1	71
60	Cardiac dysfunction during liver transplantation: incidence and preoperative predictors. <i>Transplantation</i> , <b>2008</b> , 85, 1766-72	1.8	67
59	The heart in liver transplantation. <i>Journal of Hepatology</i> , <b>2011</b> , 54, 810-22	13.4	66
58	Intraventricular vortex properties in nonischemic dilated cardiomyopathy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2014</b> , 306, H718-29	5.2	63
57	Doppler-derived ejection intraventricular pressure gradients provide a reliable assessment of left ventricular systolic chamber function. <i>Circulation</i> , <b>2005</b> , 112, 1771-9	16.7	63
56	Topology of blood transport in the human left ventricle by novel processing of Doppler echocardiography. <i>Annals of Biomedical Engineering</i> , <b>2013</b> , 41, 2603-16	4.7	60
55	Advances in the Genetic Basis and Pathogenesis of Sarcomere Cardiomyopathies. <i>Annual Review of Genomics and Human Genetics</i> , <b>2019</b> , 20, 129-153	9.7	59
54	Noninvasive assessment of ejection intraventricular pressure gradients. <i>Journal of the American College of Cardiology</i> , <b>2004</b> , 43, 1654-62	15.1	42

53	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> , <b>2018</b> , 123, 579-589	15.7	41
52	Validation of noninvasive indices of global systolic function in patients with normal and abnormal loading conditions: a simultaneous echocardiography pressure-volume catheterization study. <i>Circulation: Cardiovascular Imaging</i> , <b>2014</b> , 7, 164-72	3.9	41
51	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> , <b>2001</b> , 27, 621-30	3.5	41
50	Left ventricular systolic function is associated with sympathetic nervous activity and markers of inflammation in cirrhosis. <i>Hepatology</i> , <b>2017</b> , 65, 2019-2030	11.2	34
49	Effects of angiotensin converting enzyme inhibitors in hypertensive patients with aortic valve stenosis: a drug withdrawal study. <i>Heart</i> , <b>2005</b> , 91, 1311-8	5.1	34
48	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: The Randomized Multicenter Double-Blind Controlled CAREMI Trial (Cardiac Stem Cells in Patients With Acute Myocardial Infarction). <i>Circulation Research</i> , <b>2017</b> , 121, 71-80	15.7	32
47	Risk factors for excess mortality in adults with congenital heart diseases. <i>European Heart Journal</i> , <b>2017</b> , 38, 1233-1241	9.5	31
46	A clinical method for mapping and quantifying blood stasis in the left ventricle. <i>Journal of Biomechanics</i> , <b>2016</b> , 49, 2152-2161	2.9	30
45	Noninvasive estimation of the rate of relaxation by the analysis of intraventricular pressure gradients. <i>Circulation: Cardiovascular Imaging</i> , <b>2011</b> , 4, 94-104	3.9	26
44	Non-selective beta-blockers impair global circulatory homeostasis and renal function in cirrhotic patients with refractory ascites. <i>Journal of Hepatology</i> , <b>2020</b> , 73, 1404-1414	13.4	24
43	Low-gradient aortic valve stenosis: value and limitations of dobutamine stress testing. <i>Heart</i> , <b>2007</b> , 93, 298-302	5.1	23
42	Additional value of screening for minor genes and copy number variants in hypertrophic cardiomyopathy. <i>PLoS ONE</i> , <b>2017</b> , 12, e0181465	3.7	23
41	Impact of age and sex on survival and causes of death in adults with congenital heart disease. <i>International Journal of Cardiology</i> , <b>2017</b> , 245, 119-124	3.2	21
40	Estimation of the end of ejection in aortic stenosis: an unreported source of error in the invasive assessment of severity. <i>Circulation</i> , <b>2004</b> , 110, 1114-20	16.7	21
39	Natural History and Clinical Predictors of Atrial Tachycardia in Adults With Congenital Heart Disease. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2017</b> , 10,	6.4	20
38	Infection fatality risk for SARS-CoV-2: a nationwide seroepidemiological study in the non-institutionalized population of Spain		20
37	Noninvasive assessment of the right ventricular filling pressure gradient. <i>Circulation</i> , <b>2007</b> , 116, 1015-23	16.7	19
36	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> , <b>2018</b> , 26, 1014-1025	5.3	17

35	The Functional Significance of Paradoxical 'Low-Gradient Aortic Valve' Stenosis: Hemodynamic Findings During Cardiopulmonary Exercise Testing. <i>JACC: Cardiovascular Imaging</i> , <b>2017</b> , 10, 29-39	8.4	15
34	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> , <b>2013</b> , 115, 556-68	3.7	14
33	Impact of acute hypertension transients on diastolic function in patients with heart failure with preserved ejection fraction. <i>Cardiovascular Research</i> , <b>2017</b> , 113, 906-914	9.9	13
32	The role of elastic restoring forces in right-ventricular filling. <i>Cardiovascular Research</i> , <b>2015</b> , 107, 45-55	9.9	11
31	Impact of image spatial, temporal, and velocity resolutions on cardiovascular indices derived from color-Doppler echocardiography. <i>Medical Image Analysis</i> , <b>2007</b> , 11, 513-25	15.4	11
30	The Biological Bases of Group 2 Pulmonary Hypertension. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	11
29	Stasis Mapping Using Ultrasound: A Prospective Study in Acute Myocardial Infarction. <i>JACC: Cardiovascular Imaging</i> , <b>2018</b> , 11, 514-515	8.4	10
28	Data from acellular human heart matrix. <i>Data in Brief</i> , <b>2016</b> , 8, 211-9	1.2	10
27	Support vector analysis of color-Doppler images: a new approach for estimating indices of left ventricular function. <i>IEEE Transactions on Medical Imaging</i> , <b>2006</b> , 25, 1037-43	11.7	9
26	Clinical assessment of intraventricular blood transport in patients undergoing cardiac resynchronization therapy. <i>Meccanica</i> , <b>2017</b> , 52, 563-576	2.1	8
25	Acute myocarditis after urinary tract infection by Escherichia coli. <i>International Journal of Cardiology</i> , <b>2011</b> , 152, e33-4	3.2	7
24	Objective quantification of global and regional left ventricular systolic function by endocardial tracking of contrast echocardiographic sequences. <i>International Journal of Cardiology</i> , <b>2008</b> , 124, 47-56	3.2	7
23	Selección de lo mejor del año 2016 en cardiopatías congénitas. <i>Revista Española De Cardiología</i> , <b>2017</b> , 70, 299-300	1.5	6
22	Evolution of antibodies against SARS-CoV-2 over seven months: experience of the Nationwide Seroprevalence ENE-COVID Study in Spain		6
21	Age-Dependence of Flow Homeostasis in the Left Ventricle. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 485	4.6	5
20	Gender differences in right ventricular function in patients with non-ischaemic cardiomyopathy. <i>Netherlands Heart Journal</i> , <b>2015</b> , 23, 578-84	2.2	5
19	Valve area and the risk of overestimating aortic stenosis. <i>Heart</i> , <b>2019</b> , 105, 911-919	5.1	3
18	Persistent Pulmonary Hypertension in Corrected Valvular Heart Disease: Hemodynamic Insights and Long-Term Survival. <i>Journal of the American Heart Association</i> , <b>2021</b> , 10, e019949	6	3

17	Cardiac function, A key component in evaluation for liver transplant. <i>Liver Transplantation</i> , <b>2018</b> , 24, 7-8	4.5	3
16	Pressure volume curves in cirrhosis: More than meets the eye. <i>Journal of Hepatology</i> , <b>2017</b> , 67, 656-657	13.4	2
15	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> , <b>2012</b> , 59, E1128	15.1	2
14	Transient loss of consciousness with convulsions in two young adults with potentially fatal underlying heart disease: syncope versus seizures. <i>BMJ Case Reports</i> , <b>2009</b> , 2009,	0.9	2
13	The natural matching of harmonic responses in the pulmonary circulation. <i>Journal of Physiology</i> , <b>2019</b> , 597, 3853-3865	3.9	1
12	Técnicas de imagen en la insuficiencia cardiaca aguda. <i>Revista Espanola De Cardiologia</i> , <b>2015</b> , 68, 612-623	1.5	1
11	Reply: Aortic Stiffness: Complex Evaluation But Major Prognostic Significance Before TAVR. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 66, 1522-3	15.1	1
10	The elephant in the room: reply. <i>European Heart Journal</i> , <b>2018</b> , 39, 3397	9.5	1
9	Left ventricular hypertrophy in aortic valve stenosis: friend or foe?. <i>Heart</i> , <b>2011</b> , 97, 269-71	5.1	1
8	Risk predictors in a Spanish cohort with cardiac laminopathies. The REDLAMINA registry. <i>Revista Espanola De Cardiologia (English Ed)</i> , <b>2021</b> , 74, 216-224	0.7	1
7	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> , <b>2021</b> , 22, 795	2.8	0
6	Selection of the Best in 2016 in Congenital Heart Diseases. <i>Revista Espanola De Cardiologia (English Ed)</i> , <b>2017</b> , 70, 299-300	0.7	
5	Reply: High Flow Velocity and Low Systolic Pressure: Compliance of the Aortic Wall or Venturi Effect Within. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 66, 596-7	15.1	
4	Reply: Comments on Defining the Contribution of Diastolic Vortex Ring to Left Ventricular Filling. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 65, 2574-5	15.1	
3	On feature extraction for noninvasive kernel estimation of left ventricular chamber function indices from echocardiographic images <b>2015</b> , 39, 63-79		
2	Imaging Techniques in Acute Heart Failure. <i>Revista Espanola De Cardiologia (English Ed)</i> , <b>2015</b> , 68, 612-23.7		
1	Acute heart failure as presentation of left-ACAOS. <i>European Heart Journal</i> , <b>2013</b> , 34, 2787	9.5	