

Eduard Guasch

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.

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|--------------------|-------------------------|----------------|-----------------|
| 108 papers | 2,482 citations | 25 h-index | 48 g-index |
| 136 ext. papers | 3,222 ext. citations | 4.6 avg, IF | 4.74 L-index |

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 108 | Cardiac arrhythmogenic remodeling in a rat model of long-term intensive exercise training. <i>Circulation</i> , 2011 , 123, 13-22 | 16.7 | 298 |
| 107 | Atrial fibrillation promotion by endurance exercise: demonstration and mechanistic exploration in an animal model. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 68-77 | 15.1 | 185 |
| 106 | Role for MicroRNA-21 in atrial profibrillatory fibrotic remodeling associated with experimental postinfarction heart failure. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012 , 5, 1027-35 | 6.4 | 136 |
| 105 | Early management of atrial fibrillation to prevent cardiovascular complications. <i>European Heart Journal</i> , 2014 , 35, 1448-56 | 9.5 | 128 |
| 104 | Pre-participation cardiovascular evaluation for athletic participants to prevent sudden death: Position paper from the EHRA and the EACPR, branches of the ESC. Endorsed by APHRS, HRS, and SOLAECE. <i>European Journal of Preventive Cardiology</i> , 2017 , 24, 41-69 | 3.9 | 110 |
| 103 | Expert consensus document: Defining the major health modifiers causing atrial fibrillation: a roadmap to underpin personalized prevention and treatment. <i>Nature Reviews Cardiology</i> , 2016 , 13, 230-7 | 14.8 | 97 |
| 102 | A roadmap to improve the quality of atrial fibrillation management: proceedings from the fifth Atrial Fibrillation Network/European Heart Rhythm Association consensus conference. <i>Europace</i> , 2016 , 18, 37-50 | 3.9 | 90 |
| 101 | Efficacy of circumferential pulmonary vein ablation of atrial fibrillation in endurance athletes. <i>Europace</i> , 2010 , 12, 30-6 | 3.9 | 86 |
| 100 | Cardiac magnetic resonance-aided scar dechanneling: Influence on acute and long-term outcomes. <i>Heart Rhythm</i> , 2017 , 14, 1121-1128 | 6.7 | 85 |
| 99 | Emerging risk factors and the dose-response relationship between physical activity and lone atrial fibrillation: a prospective case-control study. <i>Europace</i> , 2016 , 18, 57-63 | 3.9 | 81 |
| 98 | Clinical and mechanistic issues in early repolarization of normal variants and lethal arrhythmia syndromes. <i>Journal of the American College of Cardiology</i> , 2010 , 56, 1177-86 | 15.1 | 73 |
| 97 | Integrating new approaches to atrial fibrillation management: the 6th AFNET/EHRA Consensus Conference. <i>Europace</i> , 2018 , 20, 395-407 | 3.9 | 66 |
| 96 | Left atrial fibrosis quantification by late gadolinium-enhanced magnetic resonance: a new method to standardize the thresholds for reproducibility. <i>Europace</i> , 2017 , 19, 1272-1279 | 3.9 | 61 |
| 95 | Diagnosis, pathophysiology, and management of exercise-induced arrhythmias. <i>Nature Reviews Cardiology</i> , 2017 , 14, 88-101 | 14.8 | 54 |
| 94 | Validity of the Polar V800 monitor for measuring heart rate variability in mountain running route conditions. <i>European Journal of Applied Physiology</i> , 2018 , 118, 669-677 | 3.4 | 41 |
| 93 | Improvement of Reverse Remodeling Using Electrocardiogram Fusion-Optimized Intervals in Cardiac Resynchronization Therapy: A Randomized Study. <i>JACC: Clinical Electrophysiology</i> , 2018 , 4, 181-189 | 4.6 | 40 |
| 92 | Substrate modification or ventricular tachycardia induction, mapping, and ablation as the first step? A randomized study. <i>Heart Rhythm</i> , 2016 , 13, 1589-95 | 6.7 | 40 |

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|----|---|------|----|
| 91 | A proposal for new clinical concepts in the management of atrial fibrillation. <i>American Heart Journal</i> , 2012 , 164, 292-302.e1 | 4.9 | 39 |
| 90 | Pre-participation cardiovascular evaluation for athletic participants to prevent sudden death: Position paper from the EHRA and the EACPR, branches of the ESC. Endorsed by APHRS, HRS, and SOLAECE. <i>Europace</i> , 2017 , 19, 139-163 | 3.9 | 36 |
| 89 | Losartan prevents heart fibrosis induced by long-term intensive exercise in an animal model. <i>PLoS ONE</i> , 2013 , 8, e55427 | 3.7 | 36 |
| 88 | Contemporary management of atrial fibrillation: what can clinical registries tell us about stroke prevention and current therapeutic approaches?. <i>Journal of the American Heart Association</i> , 2014 , 3, | 6 | 33 |
| 87 | Preferential regional distribution of atrial fibrosis in posterior wall around left inferior pulmonary vein as identified by late gadolinium enhancement cardiac magnetic resonance in patients with atrial fibrillation. <i>Europace</i> , 2018 , 20, 1959-1965 | 3.9 | 32 |
| 86 | Cardiovascular Benefits of Moderate Exercise Training in Marfan Syndrome: Insights From an Animal Model. <i>Journal of the American Heart Association</i> , 2017 , 6, | 6 | 26 |
| 85 | Contact force threshold for permanent lesion formation in atrial fibrillation ablation: A cardiac magnetic resonance-based study to detect ablation gaps. <i>Heart Rhythm</i> , 2016 , 13, 37-45 | 6.7 | 25 |
| 84 | Preparticipation cardiovascular evaluation for athletic participants to prevents sudden death: author's reply. <i>Europace</i> , 2017 , 19, 883 | 3.9 | 25 |
| 83 | Impact of left atrial volume, sphericity, and fibrosis on the outcome of catheter ablation for atrial fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2018 , 29, 740-746 | 2.7 | 25 |
| 82 | Circumferential pulmonary vein ablation: does use of a circular mapping catheter improve results? A prospective randomized study. <i>Heart Rhythm</i> , 2010 , 7, 612-8 | 6.7 | 25 |
| 81 | Acute, Exercise Dose-Dependent Impairment in Atrial Performance During an Endurance Race: 2D Ultrasound Speckle-Tracking Strain Analysis. <i>JACC: Cardiovascular Imaging</i> , 2016 , 9, 1380-1388 | 8.4 | 25 |
| 80 | Reproducibility and accuracy of late gadolinium enhancement cardiac magnetic resonance measurements for the detection of left atrial fibrosis in patients undergoing atrial fibrillation ablation procedures. <i>Europace</i> , 2019 , 21, 724-731 | 3.9 | 22 |
| 79 | Optical Control of Cardiac Function with a Photoswitchable Muscarinic Agonist. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7628-7636 | 16.4 | 22 |
| 78 | Improved outcomes and complications of atrial fibrillation catheter ablation over time: learning curve, techniques, and methodology. <i>Revista Espanola De Cardiologia</i> , 2012 , 65, 131-8 | 1.5 | 22 |
| 77 | Severity of structural and functional right ventricular remodeling depends on training load in an experimental model of endurance exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017 , 313, H459-H468 | 5.2 | 19 |
| 76 | Usefulness of endothelin-1 assessment in acute myocardial infarction. <i>Revista Espanola De Cardiologia</i> , 2011 , 64, 105-10 | 1.5 | 19 |
| 75 | Delayed Gadolinium Enhancement Magnetic Resonance Imaging Detected Anatomic Gap Length in Wide Circumferential Pulmonary Vein Ablation Lesions Is Associated With Recurrence of Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018 , 11, e006659 | 6.4 | 19 |
| 74 | Comprehensive Analysis of Animal Models of Cardiovascular Disease using Multiscale X-Ray Phase Contrast Tomography. <i>Scientific Reports</i> , 2019 , 9, 6996 | 4.9 | 17 |

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| 73 | Complete atrioventricular block does not reduce long-term mortality in patients with permanent atrial fibrillation treated with cardiac resynchronization therapy. <i>European Journal of Heart Failure</i> , 2013 , 15, 1412-8 | 12.3 | 16 |
| 72 | Endothelin-1 levels predict endothelial progenitor cell mobilization after acute myocardial infarction. <i>Microvascular Research</i> , 2011 , 82, 177-81 | 3.7 | 16 |
| 71 | Molecular disturbance underlies to arrhythmogenic cardiomyopathy induced by transgene content, age and exercise in a truncated PKP2 mouse model. <i>Human Molecular Genetics</i> , 2016 , 25, 3676-3688 | 5.6 | 15 |
| 70 | Prevalencia, características clínicas y riesgo de infarto de miocardio en pacientes con dolor torácico y consumo de cocaína. <i>Revista Española De Cardiología</i> , 2010 , 63, 1028-1034 | 1.5 | 15 |
| 69 | Accuracy of left atrial fibrosis detection with cardiac magnetic resonance: correlation of late gadolinium enhancement with endocardial voltage and conduction velocity. <i>Europace</i> , 2021 , 23, 380-388 | 3.9 | 15 |
| 68 | Mechanisms of atrial fibrillation in athletes: what we know and what we do not know. <i>Netherlands Heart Journal</i> , 2018 , 26, 133-145 | 2.2 | 14 |
| 67 | CrossTalk proposal: Prolonged intense exercise training does lead to myocardial damage. <i>Journal of Physiology</i> , 2013 , 591, 4939-41 | 3.9 | 14 |
| 66 | Low troponin-I levels on admission are associated with worse prognosis in patients with fulminant myocarditis. <i>Transplantation Proceedings</i> , 2009 , 41, 2234-6 | 1.1 | 14 |
| 65 | Dynamic risk assessment to improve quality of care in patients with atrial fibrillation: the 7th AFNET/EHRA Consensus Conference. <i>Europace</i> , 2021 , 23, 329-344 | 3.9 | 14 |
| 64 | Magnetic Resonance Imaging-Guided Fibrosis Ablation for the Treatment of Atrial Fibrillation: The ALICIA Trial. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020 , 13, e008707 | 6.4 | 13 |
| 63 | Magnetic resonance-guided re-ablation for atrial fibrillation is associated with a lower recurrence rate: a case-control study. <i>Europace</i> , 2020 , 22, 1805-1811 | 3.9 | 10 |
| 62 | Scar channels in cardiac magnetic resonance to predict appropriate therapies in primary prevention. <i>Heart Rhythm</i> , 2021 , 18, 1336-1343 | 6.7 | 10 |
| 61 | Axl expression is increased in early stages of left ventricular remodeling in an animal model with pressure-overload. <i>PLoS ONE</i> , 2019 , 14, e0217926 | 3.7 | 9 |
| 60 | Ventricular scar channel entrances identified by new wideband cardiac magnetic resonance sequence to guide ventricular tachycardia ablation in patients with cardiac defibrillators. <i>Europace</i> , 2020 , 22, 598-606 | 3.9 | 9 |
| 59 | Aortic remodelling induced by obstructive apneas is normalized with mesenchymal stem cells infusion. <i>Scientific Reports</i> , 2019 , 9, 11443 | 4.9 | 9 |
| 58 | Advanced interatrial block: A predictor of covert atrial fibrillation in embolic stroke of undetermined source. <i>Journal of Electrocardiology</i> , 2020 , 58, 113-118 | 1.4 | 9 |
| 57 | Very high pacing thresholds during long-term follow-up predicted by a combination of implant pacing threshold and impedance in leadless transcatheter pacemakers. <i>Journal of Cardiovascular Electrophysiology</i> , 2020 , 31, 868-874 | 2.7 | 8 |
| 56 | Development and external validation of predictive models for prevalent and recurrent atrial fibrillation: a protocol for the analysis of the CATCH ME combined dataset. <i>BMC Cardiovascular Disorders</i> , 2019 , 19, 120 | 2.3 | 6 |

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| 55 | 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 | 2.5 | 6 |
| 54 | Management of anticoagulation in patients undergoing leadless pacemaker implantation. <i>Heart Rhythm</i> , 2019 , 16, 1849-1854 | 6.7 | 6 |
| 53 | Electrocardiographic optimization techniques in resynchronization therapy. <i>Europace</i> , 2019 , 21, 1286-1296 | 3.9 | 6 |
| 52 | Physiological versus pathological cardiac electrical remodelling: potential basis and relevance to clinical management. <i>Journal of Physiology</i> , 2010 , 588, 4855-6 | 3.9 | 6 |
| 51 | Cryoballoon vs. radiofrequency lesions as detected by late-enhancement cardiac magnetic resonance after ablation of paroxysmal atrial fibrillation: a case-control study. <i>Europace</i> , 2020 , 22, 382-387 | 3.9 | 6 |
| 50 | Long-term benefit of first-line peri-implantable cardioverter-defibrillator implant ventricular tachycardia-substrate ablation in secondary prevention patients. <i>Europace</i> , 2017 , 19, 976-982 | 3.9 | 6 |
| 49 | Adrenergic Modulation With Photochromic Ligands. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3625-3631 | 16.4 | 6 |
| 48 | Exercise training, inflammation and heart failure: working out to cool down. <i>Journal of Physiology</i> , 2010 , 588, 2525-6 | 3.9 | 5 |
| 47 | Noninvasive evaluation of radiofrequency lesions in the human ventricular myocardium by contrast-enhanced cardiac magnetic resonance. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2009 , 2, 208-11 | 6.4 | 5 |
| 46 | Safety and Outcomes of Ventricular Tachycardia Substrate Ablation During Sinus Rhythm: A Prospective Multicenter Registry. <i>JACC: Clinical Electrophysiology</i> , 2020 , 6, 1435-1448 | 4.6 | 5 |
| 45 | JavaCyte, a novel open-source tool for automated quantification of key hallmarks of cardiac structural remodeling. <i>Scientific Reports</i> , 2020 , 10, 20074 | 4.9 | 5 |
| 44 | Inappropriate shocks or inappropriate programming? A review of Guidant's reconfirmation algorithm. <i>Europace</i> , 2009 , 11, 1120-2 | 3.9 | 4 |
| 43 | Exercise and atrial fibrillation: how health turns harm, and how to turn it back. <i>Minerva Cardioangiologica</i> , 2019 , 67, 411-424 | 1.1 | 4 |
| 42 | Ventricular tachycardia burden reduction after substrate ablation: Predictors of recurrence. <i>Heart Rhythm</i> , 2021 , 18, 896-904 | 6.7 | 4 |
| 41 | Safety and usefulness of a second Micra transcatheter pacemaker implantation after battery depletion. <i>Europace</i> , 2019 , 21, 885 | 3.9 | 3 |
| 40 | Safety issues of adjunctive clopidogrel in patients discharged after percutaneous coronary intervention with stent placement and requiring oral anticoagulation. <i>International Journal of Cardiology</i> , 2011 , 146, e1-4 | 3.2 | 3 |
| 39 | Usefulness of Endothelin-1 Assessment in Acute Myocardial Infarction. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2011 , 64, 105-110 | 0.7 | 3 |
| 38 | Late Gadolinium Enhancement-MRI determines definite lesion formation most accurately at three months post ablation compared to later time points. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2021 , | 1.6 | 3 |

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| 37 | Cardiac magnetic resonance to predict recurrences after ventricular tachycardia ablation: septal involvement, transmural channels, and left ventricular mass. <i>Europace</i> , 2021 , 23, 1437-1445 | 3.9 | 3 |
| 36 | Endurance training in young athletes: What happens in childhood, stays in childhood?. <i>European Journal of Preventive Cardiology</i> , 2019 , 26, 1998-2000 | 3.9 | 2 |
| 35 | Improved Outcomes and Complications of Atrial Fibrillation Catheter Ablation Over Time: Learning Curve, Techniques, and Methodology. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2012 , 65, 131-138 | 0.7 | 2 |
| 34 | Proximity to the descending aorta predicts regional fibrosis in the adjacent left atrial wall: aetiopathogenic and prognostic implications. <i>Europace</i> , 2021 , 23, 1559-1567 | 3.9 | 2 |
| 33 | Optimized single-point left ventricular pacing leads to improved resynchronization compared with multipoint pacing. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2021 , 44, 519-527 | 1.6 | 2 |
| 32 | Reply: Of mice and men: atrial fibrillation in veteran endurance runners. <i>Journal of the American College of Cardiology</i> , 2014 , 63, 89-90 | 15.1 | 1 |
| 31 | Left Bundle Branch Pacing: A New Alternative to Resynchronization Therapy in the 2020 Pacing Armamentarium. <i>JACC: Case Reports</i> , 2020 , 2, 2225-2229 | 1.2 | 1 |
| 30 | Ageing, comorbidities, and the complex determinants of atrial fibrillation in athletes. <i>European Heart Journal</i> , 2021 , 42, 3526-3528 | 9.5 | 1 |
| 29 | 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 | 4.9 | 1 |
| 28 | Failure-free survival of the Riata implantable cardioverter-defibrillator lead after a very long-term follow-up. <i>Indian Pacing and Electrophysiology Journal</i> , 2019 , 19, 140-144 | 1.5 | 1 |
| 27 | Determining the best approach to reduce the impact of exercise-induced atrial fibrillation: prevention, screening, or symptom-based treatment?. <i>Expert Review of Cardiovascular Therapy</i> , 2019 , 17, 19-29 | 2.5 | 1 |
| 26 | Impact of cryoballoon applications on lesion gaps detected by magnetic resonance after pulmonary vein isolation. <i>Journal of Cardiovascular Electrophysiology</i> , 2020 , 31, 638-646 | 2.7 | 0 |
| 25 | Endurance Exercise and Atrial Fibrillation 2020 , 659-681 | | 0 |
| 24 | Adrenergic Modulation With Photochromic Ligands. <i>Angewandte Chemie</i> , 2021 , 133, 3669-3675 | 3.6 | 0 |
| 23 | Impact of lifestyle interventions targeting physical exercise and caloric intake on cirrhosis regression in rats. <i>American Journal of Physiology - Renal Physiology</i> , 2021 , 321, G603-G616 | 5.1 | 0 |
| 22 | Accuracy of standard bipolar amplitude voltage thresholds to identify late potential channels in ventricular tachycardia ablation.. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2022 , 1 | 2.4 | 0 |
| 21 | Remote Design of a Smartphone and Wearable Detected Atrial Arrhythmia in Older Adults Case Finding Study: Smart in OAC - AFNET 9.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 839202 | 5.4 | 0 |
| 20 | Epicardial ablation of ventricular tachycardia via the aortic cusps in ischemic cardiomyopathy. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2020 , 73, 685-687 | 0.7 | |

19 Atrial Fibrillation in Athletes **2018**, 241-256

18 P408 Long-term outcomes of leadless Micra transcatheter pacemakers: a single centre experience. *Europace*, **2018**, 20, i75-i75 3.9

17 545 Failure-free survival of the Riata implantable cardioverter-defibrillator lead after a very long-term follow-up. *Europace*, **2018**, 20, i108-i108 3.9

16 P871 Utility of questionnaires predicting sleep apnea syndrome for pacemaker selection. *Europace*, **2018**, 20, i164-i165 3.9

15 A rare cause of severe mitral stenosis and reversible pulmonary hypertension. *Echocardiography*, **2017**, 34, 1544-1545 1.5

14 Plasma tissue inhibitor of matrix metalloproteinase-1 (TIMP-1) a powerful predictor of long term mortality in patients treated with cardiac resynchronization therapy. *European Heart Journal*, **2013**, 34, P3186-P3186 9.5

13 Rebuttal from Eduard Guasch and Stanley Nattel. *Journal of Physiology*, **2013**, 591, 4947 3.9

12 Prevalence, clinical characteristics and risk of myocardial infarction in patients with cocaine-related chest pain. *Revista Espanola De Cardiologia (English Ed)*, **2010**, 63, 1028-34 0.7

11 An implantable defibrillator and what else?. *European Heart Journal*, **2009**, 30, 1551-3 9.5

10 Ranolazina: ¿tratamiento potencial de las arritmias?. *Revista Espanola De Cardiologia Suplementos*, **2010**, 10, 62B-72B 0.2

9 The Quantification of Myocardial remodelling in a Rat Model of Myocardial Infarction by Synchrotron X-ray Phase Contrast Imaging. *Cardiologia Croatica*, **2018**, 13, 433-434 0

8 Ablaci3n epic3rdica de taquicardia ventricular a trav3s de las c3pides coronarias en miocardiopat3a isqu3mica. *Revista Espanola De Cardiologia*, **2020**, 73, 685-687 1.5

7 Endurance Sport Practice and Arrhythmias **2010**, 57-72

6 Is cardiac magnetic resonance imaging a game changer in re-ablation of atrial fibrillation?-AuthorsS reply. *Europace*, **2021**, 23, 1508-1509 3.9

5 Cardiac Resynchronization Therapy Response Is Equalized in Men and Women by Electrical Optimization: PR Matters. *JACC: Clinical Electrophysiology*, **2021**, 7, 1400-1409 4.6

4 Management of Atrial Fibrillation in Athletes **2016**, 406-414

3 Subcutaneous implantable cardioverter-defibrillator infection affecting deep tissues: is it always mandatory to remove the device?. *Europace*, **2020**, 22, 776 3.9

2 P373 Left atrial pressure correlates with atrial sphericity but not with the degree of atrial dilatation and scar burden, in patients who underwent pulmonary vein isolation. *Europace*, **2018**, 20, i65-i66 3.9

- 1 Non-invasive isthmus identification of complex arrhythmias in congenital heart disease. *Journal of Arrhythmia*, **2021**, 37, 1562-1566 1.5