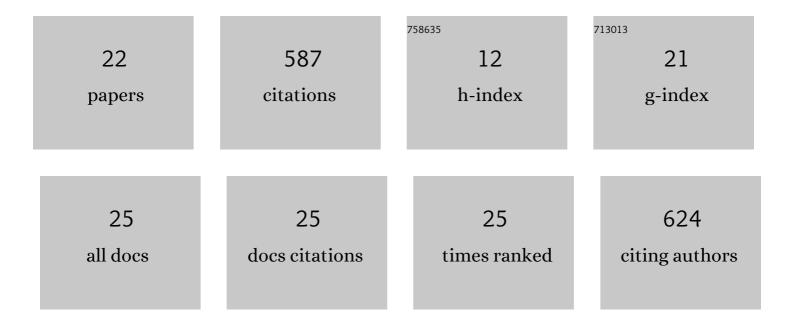
Andres Caballero

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Quantification of mitral regurgitation after transcatheter edge-to-edge repair: Comparison of echocardiography and patient-specific in silico models. Computers in Biology and Medicine, 2022, 148, 105855.	3.9	6
2	Computational Analysis of Virtual Echocardiographic Assessment of Functional Mitral Regurgitation for Validation of Proximal Isovelocity Surface Area Methods. Journal of the American Society of Echocardiography, 2021, 34, 1211-1223.	1.2	11
3	Comparative computational analysis of PASCAL and MitraClip implantation in a patient-specific functional mitral regurgitation model. Computers in Biology and Medicine, 2021, 136, 104767.	3.9	5
4	Weakly Supervised Deep Learning for Aortic Valve Finite Element Mesh Generation from 3D CT Images. Lecture Notes in Computer Science, 2021, , 637-648.	1.0	3
5	Comparative quantification of primary mitral regurgitation by computer modeling and simulated echocardiography. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H547-H557.	1.5	11
6	Transapical mitral valve repair with neochordae implantation: FSI analysis of neochordae number and complexity of leaflet prolapse. International Journal for Numerical Methods in Biomedical Engineering, 2020, 36, e3297.	1.0	24
7	Computer simulations of transapical mitral valve repair with neochordae implantation: Clinical implications. JTCVS Open, 2020, 3, 27-44.	0.2	4
8	A Comprehensive Engineering Analysis of Left Heart Dynamics After MitraClip in a Functional Mitral Regurgitation Patient. Frontiers in Physiology, 2020, 11, 432.	1.3	24
9	Efficient Aortic Valve Multilabel Segmentation Using a Spatial Transformer Network. , 2020, , .		5
10	The Impact of Self-Expandable Transcatheter Aortic Valve Replacement on Concomitant Functional Mitral Regurgitation: A Comprehensive Engineering Analysis. Structural Heart, 2020, 4, 179-191.	0.2	11
11	Finite element analysis of MitraClip procedure on a patient-specific model with functional mitral regurgitation. Journal of Biomechanics, 2020, 104, 109730.	0.9	24
12	The role of stress concentration in calcified bicuspid aortic valve. Journal of the Royal Society Interface, 2020, 17, 20190893.	1,5	27
13	The impact of balloon-expandable transcatheter aortic valve replacement on concomitant mitral regurgitation: a comprehensive computational analysis. Journal of the Royal Society Interface, 2019, 16, 20190355.	1.5	27
14	Evaluation of transcatheter heart valve biomaterials: Computational modeling using bovine and porcine pericardium. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 97, 159-170.	1.5	15
15	New insights into mitral heart valve prolapse after chordae rupture through fluid–structure interaction computational modeling. Scientific Reports, 2018, 8, 17306.	1.6	28
16	Modeling Left Ventricular Blood Flow Using Smoothed Particle Hydrodynamics. Cardiovascular Engineering and Technology, 2017, 8, 465-479.	0.7	46
17	Evaluation of transcatheter heart valve biomaterials: Biomechanical characterization of bovine and porcine pericardium. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 75, 486-494.	1.5	81
18	Simulation of unsteady blood flow dynamics in the thoracic aorta. Ingenieria E Investigacion, 2017, 37, 92-101.	0.2	5

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#	Article	IF	CITATIONS
19	Fully-coupled fluid-structure interaction simulation of the aortic and mitral valves in a realistic 3D left ventricle model. PLoS ONE, 2017, 12, e0184729.	1.1	89
20	Numerical simulation of non-Newtonian blood flow dynamics in human thoracic aorta. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 1200-1216.	0.9	60
21	A Review on Computational Fluid Dynamics Modelling in Human Thoracic Aorta. Cardiovascular Engineering and Technology, 2013, 4, 103-130.	0.7	73
22	An accelerometer-based embedded system-on-chip for measuring human-body joint angles. , 2013, , .		3