

Charles H Bloodworth Iv

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4097887/charles-h-bloodworth-iv-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

17
papers

232
citations

9
h-index

15
g-index

17
ext. papers

281
ext. citations

4
avg, IF

2.95
L-index

#	Paper	IF	Citations
17	Ex Vivo Methods for Informing Computational Models of the Mitral Valve. <i>Annals of Biomedical Engineering</i> , 2017 , 45, 496-507	4.7	36
16	Fluid-structure interaction and structural analyses using a comprehensive mitral valve model with 3D chordal structure. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2017 , 33, e2815	2.6	28
15	Mitral Valve Chordae Tendineae: Topological and Geometrical Characterization. <i>Annals of Biomedical Engineering</i> , 2017 , 45, 378-393	4.7	26
14	How Local Annular Force and Collagen Density Govern Mitral Annuloplasty Ring Dehiscence Risk. <i>Annals of Thoracic Surgery</i> , 2016 , 102, 518-26	2.7	24
13	High-resolution subject-specific mitral valve imaging and modeling: experimental and computational methods. <i>Biomechanics and Modeling in Mechanobiology</i> , 2016 , 15, 1619-1630	3.8	22
12	Fluid-Structure Interaction Analysis of Ruptured Mitral Chordae Tendineae. <i>Annals of Biomedical Engineering</i> , 2017 , 45, 619-631	4.7	16
11	Suture Dehiscence in the Tricuspid Annulus: An Ex Vivo Analysis of Tissue Strength and Composition. <i>Annals of Thoracic Surgery</i> , 2017 , 104, 820-826	2.7	13
10	Novel Method to Track Soft Tissue Deformation by Micro-Computed Tomography: Application to the Mitral Valve. <i>Annals of Biomedical Engineering</i> , 2016 , 44, 2273-81	4.7	11
9	Personalized mitral valve closure computation and uncertainty analysis from 3D echocardiography. <i>Medical Image Analysis</i> , 2017 , 35, 238-249	15.4	9
8	Mitral annuloplasty ring suture forces: Impact of surgeon, ring, and use conditions. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018 , 155, 131-139.e3	1.5	9
7	Mitral annuloplasty ring flexibility preferentially reduces posterior suture forces. <i>Journal of Biomechanics</i> , 2018 , 75, 58-66	2.9	8
6	Effect of Edge-to-Edge Mitral Valve Repair on Chordal Strain: Fluid-Structure Interaction Simulations. <i>Biology</i> , 2020 , 9,	4.9	8
5	Fluid-Structure Interaction Analysis of Subject-Specific Mitral Valve Regurgitation Treatment with an Intra-Valvular Spacer. <i>Prosthesis</i> , 2020 , 2, 65-75	4.7	7
4	A mechanistic investigation of the EDWARDS INTUITY Elite valves hemodynamic performance. <i>General Thoracic and Cardiovascular Surgery</i> , 2020 , 68, 9-17	1.6	6
3	Novel In Vitro Test Systems and Insights for Transcatheter Mitral Valve Design, Part II: Radial Expansion Forces. <i>Annals of Biomedical Engineering</i> , 2019 , 47, 392-402	4.7	4
2	Optimized mitral annuloplasty ring design reduces loading in the posterior annulus. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 , 159, 1766-1774.e2	1.5	4
1	Impact of simulated MitraClip on forward flow obstruction in the setting of mitral leaflet tethering: An in vitro investigation. <i>Catheterization and Cardiovascular Interventions</i> , 2018 , 92, 797-807	2.7	1

