

Andrew W Siefert

List of Publications by Year in Descending Order

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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.

21 papers	255 citations	11 h-index	15 g-index
21 ext. papers	284 ext. citations	2.3 avg, IF	2.69 L-index

#	Paper	IF	Citations
21	Tricuspid Valve Annular Mechanics: Interactions with and Implications for Transcatheter Devices. <i>Cardiovascular Engineering and Technology</i> , 2019 , 10, 193-204	2.2	6
20	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
19	Measurement Technologies for Heart Valve Function 2018 , 115-149		0
18	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
17	Real-time recording of annuloplasty suture dehiscence reveals a potential mechanism for dehiscence cascade. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016 , 152, e15-7	1.5	8
16	Bench Models for Assessing the Mechanics of Mitral Valve Repair and Percutaneous Surgery. <i>Cardiovascular Engineering and Technology</i> , 2015 , 6, 193-207	2.2	8
15	Quantitative Evaluation of Annuloplasty on Mitral Valve Chordae Tendineae Forces to Supplement Surgical Planning Model Development. <i>Cardiovascular Engineering and Technology</i> , 2014 , 5, 35-43	2.2	19
14	Suture forces in undersized mitral annuloplasty: novel device and measurements. <i>Annals of Thoracic Surgery</i> , 2014 , 98, 305-9	2.7	15
13	Reply to the editor. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 148, 1771-2	1.5	
12	Mitral valve annuloplasty and anterior leaflet augmentation for functional ischemic mitral regurgitation: quantitative comparison of coaptation and subvalvular tethering. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 148, 1688-93	1.5	20
11	Mitral valve annular downsizing forces: implications for annuloplasty device development. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 148, 83-9	1.5	11
10	Transcatheter aortic valve implantation can potentially impact short-term and long-term functionality: an in vitro study. <i>International Journal of Cardiology</i> , 2014 , 172, e421-2	3.2	3
9	Contractile mitral annular forces are reduced with ischemic mitral regurgitation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013 , 146, 422-8	1.5	13
8	Accuracy of a mitral valve segmentation method using J-splines for real-time 3D echocardiography data. <i>Annals of Biomedical Engineering</i> , 2013 , 41, 1258-68	4.7	12
7	In-vivo mitral annuloplasty ring transducer: implications for implantation and annular downsizing. <i>Journal of Biomechanics</i> , 2013 , 46, 2550-3	2.9	6
6	In vitro mitral valve simulator mimics systolic valvular function of chronic ischemic mitral regurgitation ovine model. <i>Annals of Thoracic Surgery</i> , 2013 , 95, 825-30	2.7	31
5	In vitro assessment of available coaptation area as a novel metric for the quantification of tricuspid valve coaptation. <i>Journal of Biomechanics</i> , 2013 , 46, 832-6	2.9	4

4	Mechanics of healthy and functionally diseased mitral valves: a critical review. <i>Journal of Biomechanical Engineering</i> , 2013 , 135, 021007	2.1	23
3	Dynamic assessment of mitral annular force profile in an ovine model. <i>Annals of Thoracic Surgery</i> , 2012 , 94, 59-65	2.7	21
2	Peak mechanical loads induced in the in vitro edge-to-edge repair of posterior leaflet flail. <i>Annals of Thoracic Surgery</i> , 2012 , 94, 1446-53	2.7	10
1	In-vivo transducer to measure dynamic mitral annular forces. <i>Journal of Biomechanics</i> , 2012 , 45, 1514-6	2.9	12