

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.

16 papers	483 citations	12 h-index	16 g-index
16 ext. papers	541 ext. citations	3.6 avg, IF	2.68 L-index

#	Paper	IF	Citations
16	A saddle-shaped annulus reduces systolic strain on the central region of the mitral valve anterior leaflet. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007 , 134, 1562-8	1.5	90
15	In vitro characterization of the mechanisms responsible for functional tricuspid regurgitation. <i>Circulation</i> , 2011 , 124, 920-9	16.7	81
14	Saddle shape of the mitral annulus reduces systolic strains on the P2 segment of the posterior mitral leaflet. <i>Annals of Thoracic Surgery</i> , 2009 , 88, 1499-504	2.7	71
13	The material properties of the native porcine mitral valve chordae tendineae: an in vitro investigation. <i>Journal of Biomechanics</i> , 2006 , 39, 1129-35	2.9	59
12	Effects of annular size, transmitral pressure, and mitral flow rate on the edge-to-edge repair: an in vitro study. <i>Annals of Thoracic Surgery</i> , 2006 , 82, 1362-8	2.7	39
11	Mitral leaflet geometry perturbations with papillary muscle displacement and annular dilatation: an in-vitro study of ischemic mitral regurgitation. <i>Journal of Heart Valve Disease</i> , 2003 , 12, 300-7		33
10	Dynamic assessment of mitral annular force profile in an ovine model. <i>Annals of Thoracic Surgery</i> , 2012 , 94, 59-65	2.7	21
9	Efficacy of the edge-to-edge repair in the setting of a dilated ventricle: an in vitro study. <i>Annals of Thoracic Surgery</i> , 2007 , 84, 1578-84	2.7	16
8	Transapical beating heart cardioscopy technique for off-pump visualization of heart valves. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012 , 144, 231-4	1.5	14
7	Cleft closure and undersizing annuloplasty improve mitral repair in atrioventricular canal defects. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008 , 136, 1243-9	1.5	14
6	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
5	In-vivo transducer to measure dynamic mitral annular forces. <i>Journal of Biomechanics</i> , 2012 , 45, 1514-6	2.9	12
4	New mitral annular force transducer optimized to distinguish annular segments and multi-plane forces. <i>Journal of Biomechanics</i> , 2016 , 49, 742-748	2.9	6
3	In-vivo mitral annuloplasty ring transducer: implications for implantation and annular downsizing. <i>Journal of Biomechanics</i> , 2013 , 46, 2550-3	2.9	6
2	Advances in cardiovascular fluid mechanics: bench to bedside. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1161, 1-25	6.5	6
1	Mechanics of the mitral valve: in vitro studies. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2004 , 2004, 3727-9		2