

Prem A Midha

List of Publications by Citations

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Version: 2024-04-26

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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.

19
papers

395
citations

9
h-index

19
g-index

20
ext. papers

490
ext. citations

4.8
avg, IF

3.37
L-index

#	Paper	IF	Citations
19	The Fluid Mechanics of Transcatheter Heart Valve Leaflet Thrombosis in the Neosinus. <i>Circulation</i> , 2017 , 136, 1598-1609	16.7	97
18	On the Mechanics of Transcatheter Aortic Valve Replacement. <i>Annals of Biomedical Engineering</i> , 2017 , 45, 310-331	4.7	57
17	Valve Type, Size, and Deployment Location Affect Hemodynamics in an In Vitro Valve-in-Valve Model. <i>JACC: Cardiovascular Interventions</i> , 2016 , 9, 1618-28	5	50
16	Exploring the Use of Functional Models in Biomimetic Conceptual Design. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2008 , 130,	3	44
15	The Effect of Valve-in-Valve Implantation Height on Sinus Flow. <i>Annals of Biomedical Engineering</i> , 2017 , 45, 405-412	4.7	32
14	How Can We Help a Patient With a Small Failing Bioprosthesis?: An In Vitro Case Study. <i>JACC: Cardiovascular Interventions</i> , 2015 , 8, 2026-2033	5	29
13	Aortic Regurgitation Generates a Kinematic Obstruction Which Hinders Left Ventricular Filling. <i>Annals of Biomedical Engineering</i> , 2017 , 45, 1305-1314	4.7	17
12	Three-dimensional extent of flow stagnation in transcatheter heart valves. <i>Journal of the Royal Society Interface</i> , 2019 , 16, 20190063	4.1	14
11	An Evaluation of the Influence of Coronary Flow on Transcatheter Heart Valve Neo-Sinus Flow Stasis. <i>Annals of Biomedical Engineering</i> , 2020 , 48, 169-180	4.7	11
10	Transcatheter aortic valve deployment influences neo-sinus thrombosis risk: An in vitro flow study. <i>Catheterization and Cardiovascular Interventions</i> , 2020 , 95, 1009-1016	2.7	9
9	Characterization of aortic root geometry in transcatheter aortic valve replacement patients. <i>Catheterization and Cardiovascular Interventions</i> , 2019 , 93, 134-140	2.7	8
8	Exploring the Use of Functional Models as a Foundation for Biomimetic Conceptual Design 2007 , 79		7
7	A mechanistic investigation of the EDWARDS INTUITY Elite valve's hemodynamic performance. <i>General Thoracic and Cardiovascular Surgery</i> , 2020 , 68, 9-17	1.6	6
6	The hemodynamic effects of acute aortic regurgitation into a stiffened left ventricle resulting from chronic aortic stenosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 310, H1801-7	5.2	5
5	Validation of Cardiac Output as Reported by a Permanently Implanted Wireless Sensor. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2016 , 10,	1.3	3
4	PneumoniaCheck: A Device for Sampling Lower Airway Aerosols. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2010 , 4,	1.3	3
3	Transcatheter aortic valve thrombosis: a review of potential mechanisms. <i>Journal of the Royal Society Interface</i> , 2021 , 18, 20210599	4.1	2

2	Ineffective Orifice Area: Practical Limitations of Accurate EOA Assessment for Low-Gradient Heart Valve Prostheses. <i>Cardiovascular Engineering and Technology</i> , 2021 , 1	2.2	1
1	Response by Sharma et al to Letter Regarding Article, "The Fluid Mechanics of Transcatheter Heart Valve Leaflet Thrombosis in the Neosinus". <i>Circulation</i> , 2018 , 137, 2094-2095	16.7	