

Ahmad Falahatpisheh

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

563
citations

687363

13
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

712
citing authors

#	ARTICLE	IF	CITATIONS
1	Intraventricular Vortex Interaction between Transmitral Flow and Paravalvular Leak. Scientific Reports, 2018, 8, 15657.	3.3	10
2	A framework for synthetic validation of 3D echocardiographic particle image velocimetry. Meccanica, 2017, 52, 555-561.	2.0	4
3	A calcified polymeric valve for valve-in-valve applications. Journal of Biomechanics, 2017, 50, 77-82.	2.1	10
4	Is the Lecompte technique the last word on transposition of the great arteries repair for all patients? A magnetic resonance imaging study including a spiral technique two decades postoperatively. Interactive Cardiovascular and Thoracic Surgery, 2016, 22, 817-825.	1.1	24
5	Simplified Bernoulli's method significantly underestimates pulmonary transvalvular pressure drop. Journal of Magnetic Resonance Imaging, 2016, 43, 1313-1319.	3.4	23
6	Emerging Trends in Heart Valve Engineering: Part IV. Computational Modeling and Experimental Studies. Annals of Biomedical Engineering, 2015, 43, 2314-2333.	2.5	34
7	Effect of the Mitral Valve's Anterior Leaflet on Axisymmetry of Transmitral Vortex Ring. Annals of Biomedical Engineering, 2015, 43, 2349-2360.	2.5	13
8	Emerging Trends in Heart Valve Engineering: Part II. Novel and Standard Technologies for Aortic Valve Replacement. Annals of Biomedical Engineering, 2015, 43, 844-857.	2.5	52
9	Emerging Trends in Heart Valve Engineering: Part I. Solutions for Future. Annals of Biomedical Engineering, 2015, 43, 833-843.	2.5	80
10	A measure of axisymmetry for vortex rings. European Journal of Mechanics, B/Fluids, 2015, 49, 264-271.	2.5	7
11	Emerging Trends in Heart Valve Engineering: Part III. Novel Technologies for Mitral Valve Repair and Replacement. Annals of Biomedical Engineering, 2015, 43, 858-870.	2.5	35
12	The Effects of Positioning of Transcatheter Aortic Valves on Fluid Dynamics of the Aortic Root. ASAIO Journal, 2014, 60, 545-552.	1.6	40
13	Three-dimensional reconstruction of cardiac flows based on multi-planar velocity fields. Experiments in Fluids, 2014, 55, 1.	2.4	16
14	High-speed particle image velocimetry to assess cardiac fluid dynamics in vitro: From performance to validation. European Journal of Mechanics, B/Fluids, 2012, 35, 2-8.	2.5	50
15	Assessment of Transmitral Vortex Formation in Patients with Diastolic Dysfunction. Journal of the American Society of Echocardiography, 2012, 25, 220-227.	2.8	79
16	The effects of dynamic saddle annulus and leaflet length on transmitral flow pattern and leaflet stress of a bileaflet bioprosthetic mitral valve. Journal of Heart Valve Disease, 2012, 21, 225-33.	0.5	18
17	Numerical investigation of natural convection of Al ₂ O ₃ nanofluid in vertical annuli. Heat and Mass Transfer, 2009, 46, 15-23.	2.1	68
18	Free Convection of Nanofluid in Vertical Annuli. , 2008, , .		0