

Ahmad Falahatpisheh

List of Publications by Year in descending order

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18
papers

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687363

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712
citing authors

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