Foad Kabinejadian

List of Publications by Year
in descending order

34	528	759233 12	677142 22
papers	citations	h-index	g-index

36	36	36	629
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Combined gas embolization and chemotherapy can result in complete tumor regression in a murine hepatocellular carcinoma model. APL Bioengineering, 2020, 4, 036106.	6.2	1
2	Lipid Shell Retention and Selective Binding Capability Following Repeated Transient Acoustic Microdroplet Vaporization. Langmuir, 2020, 36, 6626-6634.	3.5	4
3	Role of Vessel Microstructure in the Longevity of End-to-Side Grafts. Journal of Biomechanical Engineering, 2020, 142, .	1.3	4
4	Minimally invasive gas embolization using acoustic droplet vaporization in a rodent model of hepatocellular carcinoma. Scientific Reports, 2019, 9, 11040.	3.3	13
5	Ventricular vortex loss analysis due to various tricuspid valve repair techniques: an ex vivo study. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H1312-H1327.	3.2	3
6	Ex vivo assessment of bicuspidization repair in treating severe functional tricuspid regurgitation: a stereo-scopic PIV study. Scientific Reports, 2019, 9, 11504.	3.3	8
7	Effects of left atrium on intraventricular flow in numerical simulations. Computers in Biology and Medicine, 2019, 106, 46-53.	7.0	9
8	Hemodynamic analysis of a novel stent graft design with slit perforations in thoracic aortic aneurysm. Journal of Biomechanics, 2019, 85, 210-217.	2.1	18
9	Hemodynamics Simulation in the Left Anterior Descending Coronary Artery Tree. , 2019, , 257-281.		0
10	Post-operative ventricular flow dynamics following atrioventricular valve surgical and device therapies: A review. Medical Engineering and Physics, 2018, 54, 1-13.	1.7	10
11	Design and Development of Novel Transcatheter Bicaval Valves in the Interventional Treatment of Tricuspid Regurgitation. Artificial Organs, 2018, 42, E13-E28.	1.9	2
12	Association of Hemodynamic Behavior in the Thoracic Aortic Aneurysm to the Intraluminal Thrombus Prediction: A Two-Way Fluid Structure Coupling Investigation. International Journal of Applied Mechanics, 2018, 10, 1850035.	2.2	8
13	Sequential venous anastomosis design to enhance patency of arterio-venous grafts for hemodialysis. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, 85-93.	1.6	6
14	Simulated Bench Testing to Evaluate the Mechanical Performance of New Carotid Stents. Artificial Organs, 2017, 41, 267-272.	1.9	11
15	Hemodynamic assessment of extra-cardiac tricuspid valves using particle image velocimetry. Medical Engineering and Physics, 2017, 50, 1-11.	1.7	4
16	Optimisation of a Novel Spiral-Inducing Bypass Graft Using Computational Fluid Dynamics. Scientific Reports, 2017, 7, 1865.	3.3	32
17	Experimental Study of Right Ventricular Hemodynamics After Tricuspid Valve Replacement Therapies to Treat Tricuspid Regurgitation. Cardiovascular Engineering and Technology, 2017, 8, 401-418.	1.6	7
18	Numerical Assessment of Novel Helical/Spiral Grafts with Improved Hemodynamics for Distal Graft Anastomoses. PLoS ONE, 2016, 11, e0165892.	2.5	29

#	Article	IF	Citations
19	An Experimental and Computational Study on the Effect of Caval Valved Stent Oversizing. Cardiovascular Engineering and Technology, 2016, 7, 254-269.	1.6	7
20	Hemodynamics of Coronary Artery Bypass Grafting: Conventional vs. Innovative Anastomotic Configuration Designs for Enhancing Patency. , 2016, , 419-436.		0
21	Numerical Investigation on the Geometrical Effects of Novel Graft Designs for Peripheral Artery Bypass Surgery. Procedia CIRP, 2016, 49, 147-152.	1.9	15
22	Covered Stent Membrane Design for Treatment of Atheroembolic Disease at Carotid Artery Bifurcation and Prevention of Thromboembolic Stroke: An In Vitro Experimental Study. Artificial Organs, 2016, 40, 159-168.	1.9	10
23	In Vitro Investigation of the Hemodynamics of Transcatheter Heterotopic Valves Implantation in the Cavo-Atrial Junction. Artificial Organs, 2015, 39, 803-814.	1.9	10
24	Comparison of hinge microflow fields of bileaflet mechanical heart valves implanted in different sinus shape and downstream geometry. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 1785-1796.	1.6	10
25	Effects of a carotid covered stent with a novel membrane design on the blood flow regime and hemodynamic parameters distribution at the carotid artery bifurcation. Medical and Biological Engineering and Computing, 2015, 53, 165-177.	2.8	18
26	Numerical Modeling of Intraventricular Flow during Diastole after Implantation of BMHV. PLoS ONE, 2015, 10, e0126315.	2.5	17
27	In vitro measurements of velocity and wall shear stress in a novel sequential anastomotic graft design model under pulsatile flow conditions. Medical Engineering and Physics, 2014, 36, 1233-1245.	1.7	16
28	Numerical investigation of blood flow in three-dimensional porcine left anterior descending artery with various stenoses. Computers in Biology and Medicine, 2014, 47, 130-138.	7.0	22
29	A Novel Carotid Covered Stent Design: In Vitro Evaluation of Performance and Influence on the Blood Flow Regime at the Carotid Artery Bifurcation. Annals of Biomedical Engineering, 2013, 41, 1990-2002.	2.5	23
30	Coronary artery bypass grafting hemodynamics and anastomosis design: a biomedical engineering review. BioMedical Engineering OnLine, 2013, 12, 129.	2.7	102
31	STRESS ANALYSIS OF CAROTID ARTERY STENT UNDER BENDING AND TORSION. Journal of Biomechanics, 2012, 45, S637.	2.1	1
32	Compliant model of a coupled sequential coronary arterial bypass graft: Effects of vessel wall elasticity and non-Newtonian rheology on blood flow regime and hemodynamic parameters distribution. Medical Engineering and Physics, 2012, 34, 860-872.	1.7	67
33	A Novel Coronary Artery Bypass Graft Design of Sequential Anastomoses. Annals of Biomedical Engineering, 2010, 38, 3135-3150.	2.5	28
34	CABG MODELS FLOW SIMULATION STUDY ON THE EFFECTS OF VALVE REMNANTS IN THE VENOUS GRAFT. Journal of Mechanics in Medicine and Biology, 2010, 10, 593-609.	0.7	12