

Foad Kabinejadian

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4371066/publications.pdf>

Version: 2024-02-01

34
papers

528
citations

759233

12
h-index

677142

22
g-index

36
all docs

36
docs citations

36
times ranked

629
citing authors

#	ARTICLE	IF	CITATIONS
1	Coronary artery bypass grafting hemodynamics and anastomosis design: a biomedical engineering review. <i>BioMedical Engineering OnLine</i> , 2013, 12, 129.	2.7	102
2	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. <i>Medical Engineering and Physics</i> , 2012, 34, 860-872.	1.7	67
3	Optimisation of a Novel Spiral-Inducing Bypass Graft Using Computational Fluid Dynamics. <i>Scientific Reports</i> , 2017, 7, 1865.	3.3	32
4	Numerical Assessment of Novel Helical/Spiral Grafts with Improved Hemodynamics for Distal Graft Anastomoses. <i>PLoS ONE</i> , 2016, 11, e0165892.	2.5	29
5	A Novel Coronary Artery Bypass Graft Design of Sequential Anastomoses. <i>Annals of Biomedical Engineering</i> , 2010, 38, 3135-3150.	2.5	28
6	A Novel Carotid Covered Stent Design: In Vitro Evaluation of Performance and Influence on the Blood Flow Regime at the Carotid Artery Bifurcation. <i>Annals of Biomedical Engineering</i> , 2013, 41, 1990-2002.	2.5	23
7	Numerical investigation of blood flow in three-dimensional porcine left anterior descending artery with various stenoses. <i>Computers in Biology and Medicine</i> , 2014, 47, 130-138.	7.0	22
8	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. <i>Medical and Biological Engineering and Computing</i> , 2015, 53, 165-177.	2.8	18
9	Hemodynamic analysis of a novel stent graft design with slit perforations in thoracic aortic aneurysm. <i>Journal of Biomechanics</i> , 2019, 85, 210-217.	2.1	18
10	Numerical Modeling of Intraventricular Flow during Diastole after Implantation of BMHV. <i>PLoS ONE</i> , 2015, 10, e0126315.	2.5	17
11	In vitro measurements of velocity and wall shear stress in a novel sequential anastomotic graft design model under pulsatile flow conditions. <i>Medical Engineering and Physics</i> , 2014, 36, 1233-1245.	1.7	16
12	Numerical Investigation on the Geometrical Effects of Novel Graft Designs for Peripheral Artery Bypass Surgery. <i>Procedia CIRP</i> , 2016, 49, 147-152.	1.9	15
13	Minimally invasive gas embolization using acoustic droplet vaporization in a rodent model of hepatocellular carcinoma. <i>Scientific Reports</i> , 2019, 9, 11040.	3.3	13
14	CABG MODELS FLOW SIMULATION STUDY ON THE EFFECTS OF VALVE REMNANTS IN THE VENOUS GRAFT. <i>Journal of Mechanics in Medicine and Biology</i> , 2010, 10, 593-609.	0.7	12
15	Simulated Bench Testing to Evaluate the Mechanical Performance of New Carotid Stents. <i>Artificial Organs</i> , 2017, 41, 267-272.	1.9	11
16	In Vitro Investigation of the Hemodynamics of Transcatheter Heterotopic Valves Implantation in the Cavo-Atrial Junction. <i>Artificial Organs</i> , 2015, 39, 803-814.	1.9	10
17	Comparison of hinge microflow fields of bileaflet mechanical heart valves implanted in different sinus shape and downstream geometry. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015, 18, 1785-1796.	1.6	10
18	Covered Stent Membrane Design for Treatment of Atheroembolic Disease at Carotid Artery Bifurcation and Prevention of Thromboembolic Stroke: An In Vitro Experimental Study. <i>Artificial Organs</i> , 2016, 40, 159-168.	1.9	10

#	ARTICLE	IF	CITATIONS
19	Post-operative ventricular flow dynamics following atrioventricular valve surgical and device therapies: A review. <i>Medical Engineering and Physics</i> , 2018, 54, 1-13.	1.7	10
20	Effects of left atrium on intraventricular flow in numerical simulations. <i>Computers in Biology and Medicine</i> , 2019, 106, 46-53.	7.0	9
21	Association of Hemodynamic Behavior in the Thoracic Aortic Aneurysm to the Intraluminal Thrombus Prediction: A Two-Way Fluid Structure Coupling Investigation. <i>International Journal of Applied Mechanics</i> , 2018, 10, 1850035.	2.2	8
22	Ex vivo assessment of bicuspidization repair in treating severe functional tricuspid regurgitation: a stereo-scopic PIV study. <i>Scientific Reports</i> , 2019, 9, 11504.	3.3	8
23	An Experimental and Computational Study on the Effect of Caval Valved Stent Oversizing. <i>Cardiovascular Engineering and Technology</i> , 2016, 7, 254-269.	1.6	7
24	Experimental Study of Right Ventricular Hemodynamics After Tricuspid Valve Replacement Therapies to Treat Tricuspid Regurgitation. <i>Cardiovascular Engineering and Technology</i> , 2017, 8, 401-418.	1.6	7
25	Sequential venous anastomosis design to enhance patency of arterio-venous grafts for hemodialysis. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2017, 20, 85-93.	1.6	6
26	Hemodynamic assessment of extra-cardiac tricuspid valves using particle image velocimetry. <i>Medical Engineering and Physics</i> , 2017, 50, 1-11.	1.7	4
27	Lipid Shell Retention and Selective Binding Capability Following Repeated Transient Acoustic Microdroplet Vaporization. <i>Langmuir</i> , 2020, 36, 6626-6634.	3.5	4
28	Role of Vessel Microstructure in the Longevity of End-to-Side Grafts. <i>Journal of Biomechanical Engineering</i> , 2020, 142, .	1.3	4
29	Ventricular vortex loss analysis due to various tricuspid valve repair techniques: an ex vivo study. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H1312-H1327.	3.2	3
30	Design and Development of Novel Transcatheter Bicaval Valves in the Interventional Treatment of Tricuspid Regurgitation. <i>Artificial Organs</i> , 2018, 42, E13-E28.	1.9	2
31	STRESS ANALYSIS OF CAROTID ARTERY STENT UNDER BENDING AND TORSION. <i>Journal of Biomechanics</i> , 2012, 45, S637.	2.1	1
32	Combined gas embolization and chemotherapy can result in complete tumor regression in a murine hepatocellular carcinoma model. <i>APL Bioengineering</i> , 2020, 4, 036106.	6.2	1
33	Hemodynamics of Coronary Artery Bypass Grafting: Conventional vs. Innovative Anastomotic Configuration Designs for Enhancing Patency. , 2016, , 419-436.		0
34	Hemodynamics Simulation in the Left Anterior Descending Coronary Artery Tree. , 2019, , 257-281.		0