Selim Bozkurt

List of Publications by Year
in descending order

27	274	1039406 9	996533 15
papers	citations	h-index	g-index

28	28	28	189
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Complications in children with ventricular assist devices: systematic review and meta-analyses. Heart Failure Reviews, 2022, 27, 903-913.	1.7	8
2	Mechanical and morphological properties of parietal bone in patients with sagittal craniosynostosis. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 125, 104929.	1.5	4
3	Computational Evaluation of Cardiac Function in Children Supported with Heartware VAD, HeartMate 2 and HeartMate 3 Left Ventricular Assist Devices. Applied Sciences (Switzerland), 2022, 12, 1937.	1.3	0
4	Patient-Specific Modelling and Parameter Optimisation to Simulate Dilated Cardiomyopathy in Children. Cardiovascular Engineering and Technology, 2022, 13, 712-724.	0.7	4
5	A novel computational model for cerebral blood flow rate control mechanisms to evaluate physiological cases. Biomedical Signal Processing and Control, 2022, 78, 103851.	3.5	6
6	Computer simulations can replace in-vivo experiments for implantable medical devices. Physical and Engineering Sciences in Medicine, 2021, 44, 1-5.	1.3	3
7	Validation of an in-silico modelling platform for outcome prediction in spring assisted posterior vault expansion. Clinical Biomechanics, 2021, 88, 105424.	0.5	5
8	The Science Behind the Springs: Using Biomechanics and Finite Element Modeling to Predict Outcomes in Spring-Assisted Sagittal Synostosis Surgery. Journal of Craniofacial Surgery, 2020, 31, 2074-2078.	0.3	2
9	Computational analyses of aortic blood flow under varying speed CF-LVAD support. Computers in Biology and Medicine, 2020, 127, 104058.	3.9	7
10	Pressure, Flow Rate and Operating Speed Characteristics of a Continuous Flow Left Ventricular Assist Device During Varying Speed Support. IEEE Access, 2020, 8, 129830-129841.	2.6	3
11	Computational modelling of patient specific spring assisted lambdoid craniosynostosis correction. Scientific Reports, 2020, 10, 18693.	1.6	9
12	Computational Evaluation of Potential Correction Methods for Unicoronal Craniosynostosis. Journal of Craniofacial Surgery, 2020, 31, 692-696.	0.3	5
13	Computational Simulation of Cardiac Function and Blood Flow in the Circulatory System under Continuous Flow Left Ventricular Assist Device Support during Atrial Fibrillation. Applied Sciences (Switzerland), 2020, 10, 876.	1.3	5
14	Mathematical modeling of cardiac function to evaluate clinical cases in adults and children. PLoS ONE, 2019, 14, e0224663.	1.1	35
15	Effect of Cerebral Flow Autoregulation Function on Cerebral Flow Rate Under Continuous Flow Left Ventricular Assist Device Support. Artificial Organs, 2018, 42, 800-813.	1.0	15
16	In-silico evaluation of left ventricular unloading under varying speed continuous flow left ventricular assist device support. Biocybernetics and Biomedical Engineering, 2017, 37, 373-387.	3.3	17
17	Design, Analysis and Testing of a Novel Mitral Valve for Transcatheter Implantation. Annals of Biomedical Engineering, 2017, 45, 1852-1864.	1.3	14
18	IN-SILICO MODELING OF LEFT VENTRICLE TO SIMULATE DILATED CARDIOMYOPATHY AND CF-LVAD SUPPORT. Journal of Mechanics in Medicine and Biology, 2017, 17, 1750034.	0.3	4

#	Article	IF	Citations
19	Enhancement of Arterial Pressure Pulsatility by Controlling Continuous-Flow Left Ventricular Assist Device Flow Rate in Mock Circulatory System. Journal of Medical and Biological Engineering, 2016, 36, 308-315.	1.0	20
20	Arterial pulsatility under phasic left ventricular assist device support. Bio-Medical Materials and Engineering, 2016, 27, 451-460.	0.4	4
21	Physiologic outcome of varying speed rotary blood pump support algorithms: a review study. Australasian Physical and Engineering Sciences in Medicine, 2016, 39, 13-28.	1.4	29
22	Aortic Valve Function Under Support of a Left Ventricular Assist Device: Continuous vs. Dynamic Speed Support. Annals of Biomedical Engineering, 2015, 43, 1727-1737.	1.3	8
23	Improving Arterial Pulsatility by Feedback Control of a Continuous Flow Left Ventricular Assist Device via in Silico Modeling. International Journal of Artificial Organs, 2014, 37, 773-785.	0.7	19
24	An in silico case study of idiopathic dilated cardiomyopathy via a multi-scale model of the cardiovascular system. Computers in Biology and Medicine, 2014, 53, 141-153.	3.9	5
25	Arterial pulsatility improvement in a feedback-controlled continuous flow left ventricular assist device: An ex-vivo experimental study. Medical Engineering and Physics, 2014, 36, 1288-1295.	0.8	19
26	Evaluating the Hemodynamical Response of a Cardiovascular System under Support of a Continuous Flow Left Ventricular Assist Device via Numerical Modeling and Simulations. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-12.	0.7	19
27	Control strategies for the left ventricular assist devices. , 2009, , .		1