

# Zarko Milosevic

## List of Publications by Year in descending order

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27  
papers

169  
citations

1684188

5  
h-index

1281871

11  
g-index

28  
all docs

28  
docs citations

28  
times ranked

197  
citing authors

#	ARTICLE	IF	CITATIONS
1	ARTreat Project: Three-Dimensional Numerical Simulation of Plaque Formation and Development in the Arteries. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 272-278.	3.2	48
2	Patient-Specific Prediction of Coronary Plaque Growth From CTA Angiography: A Multiscale Model for Plaque Formation and Progression. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 952-965.	3.2	36
3	Computational modeling of shear forces and experimental validation of endothelial cell responses in an orbital well shaker system. Computer Methods in Biomechanics and Biomedical Engineering, 2016, 19, 581-590.	1.6	31
4	Machine Learning Approach for Predicting Wall Shear Distribution for Abdominal Aortic Aneurysm and Carotid Bifurcation Models. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 537-544.	6.3	26
5	Computer simulation of three-dimensional plaque formation and progression in the coronary artery. Computers and Fluids, 2013, 88, 826-833.	2.5	11
6	Numerical simulation of blood flow and plaque progression in carotidâ€“carotid bypass patient specific case. Computer Aided Surgery, 2015, 20, 1-6.	1.8	5
7	3D Modeling of Plaque Progression in the Human Coronary Artery. Proceedings (mdpi), 2018, 2, .	0.2	3
8	ARTreat project: Three-dimensional numerical simulation of plaque formation and development in the arteries. , 2010, , .		2
9	Finite element coiled cochlea model. AIP Conference Proceedings, 2015, , .	0.4	2
10	Computer Simulation of Hot Caloric Test Response in the Three Semicircular Canal. , 2014, , .		1
11	Assessment of bone stress intensity factor using artificial neural networks. , 2015, , .		1
12	Development of the software tool for generation and visualization of the finite element head model with bone conduction sounds. AIP Conference Proceedings, 2015, , .	0.4	1
13	Morphological and Biomechanical Features in Abdominal Aortic Aneurysm with Long and Short Neckâ€“Case-Control Study in 64 Abdominal Aortic Aneurysms. Annals of Vascular Surgery, 2017, 45, 223-230.	0.9	1
14	Atherosclerotic Plaque Formation in the Coronary Arteries. IFMBE Proceedings, 2020, , 315-319.	0.3	1
15	Simulation of the UV/Vis spectra of flavonoids. , 2015, , .		0
16	Computer modeling of semicircular canals in the vestibular system. , 2015, , .		0
17	Computational modeling of plaque progression in coronary arteries. , 2015, , .		0
18	Biomechanical Model for Detection of Vertigo Disease. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Computational modeling of plaque development in the coronary arteries. IFMBE Proceedings, 2017, , 269-274.	0.3	0
20	Coupled Computer Modeling of Atherosclerosis Development in the Coronary Arteries. , 2017, , .		0
21	MODELING AND CORRELATION OF PLAQUE SIZE WITH HISTOLOGICAL AND BLOOD ANALYSIS DATA FOR ANIMAL RABBIT EXPERIMENTS. , 2013, , .		0
22	Computer Modeling of Atherosclerosis. , 2013, , 233-308.		0
23	Plaque Progression Modeling by using Computer Simulation and Imaging Data. , 2013, , .		0
24	Computer Predictive Model for Plaque Formation and Progression in the Artery. Advances in Medical Diagnosis, Treatment, and Care, 2016, , 279-300.	0.1	0
25	Computational Vascular Surgery Planning and Predicting for Abdominal Aortic Aneurysm. IFMBE Proceedings, 2017, , 241-245.	0.3	0
26	Three-Dimensional Computer Model of Benign Paroxysmal Positional Vertigo in the Semi-Circular Canal. EAI Endorsed Transactions on Pervasive Health and Technology, 2018, 4, 154142.	0.9	0
27	Computer Predictive Model for Plaque Formation and Progression in the Artery. , 2019, , 220-245.		0