

# Hossein Ali Pakravan

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

317  
citations

1307594

7  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

357  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal conductivity and viscosity of Mg(OH) <sub>2</sub> -ethylene glycol nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 120, 1145-1149.	3.6	109
2	Combined thermophoresis, Brownian motion and Dufour effects on natural convection of nanofluids. <i>International Journal of Thermal Sciences</i> , 2011, 50, 394-402.	4.9	82
3	Analysis of nanoparticles migration on natural convective heat transfer of nanofluids. <i>International Journal of Thermal Sciences</i> , 2013, 68, 79-93.	4.9	59
4	Primary stenosis progression versus secondary stenosis formation in the left coronary bifurcation: A mechanical point of view. <i>Biocybernetics and Biomedical Engineering</i> , 2019, 39, 188-198.	5.9	25
5	A multiscale approach for determining the morphology of endothelial cells at a coronary artery. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2017, 33, e2891.	2.1	11
6	High precision invasive FFR , low-cost invasive iFR , or non-invasive CFR ? : optimum assessment of coronary artery stenosis based on the patient-specific computational models. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2020, 36, e3382.	2.1	11
7	FSI SIMULATION OF A HEALTHY CORONARY BIFURCATION FOR STUDYING THE MECHANICAL STIMULI OF ENDOTHELIAL CELLS UNDER DIFFERENT PHYSIOLOGICAL CONDITIONS. <i>Journal of Mechanics in Medicine and Biology</i> , 2015, 15, 1550089.	0.7	7
8	A mechanical model for morphological response of endothelial cells under combined wall shear stress and cyclic stretch loadings. <i>Biomechanics and Modeling in Mechanobiology</i> , 2016, 15, 1229-1243.	2.8	5
9	A validated reduced-order dynamic model of nitric oxide regulation in coronary arteries. <i>Computers in Biology and Medicine</i> , 2021, 139, 104958.	7.0	5
10	Patient-specific fluid-structure interaction simulation of the LAD-ITA bypass graft for moderate and severe stenosis: A doubt on the fractional flow reserve-based decision. <i>Biocybernetics and Biomedical Engineering</i> , 2022, 42, 143-157.	5.9	2
11	The Importance of Fluid-Structure Interaction Simulation for Determining the Mechanical Stimuli of Endothelial Cells and the Atheroprone Regions in a Coronary Bifurcation. <i>Scientia Iranica</i> , 2016, 23, 228-237.	0.4	1
12	Endothelial Cells Morphology in Response to Combined WSS and Biaxial CS: Introduction of Effective Strain Ratio. <i>Cellular and Molecular Bioengineering</i> , 2020, 13, 647-657.	2.1	0