

Gaoyang Li

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

186
citations

1307594

7
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1125743

13
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all docs

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docs citations

17
times ranked

104
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of 3D Cardiovascular hemodynamics before and after coronary artery bypass surgery via deep learning. <i>Communications Biology</i> , 2021, 4, 99.	4.4	45
2	Pulse-Wave-Pattern Classification with a Convolutional Neural Network. <i>Scientific Reports</i> , 2019, 9, 14930.	3.3	26
3	Prediction of Cerebral Aneurysm Hemodynamics With Porous-Medium Models of Flow-Diverting Stents via Deep Learning. <i>Frontiers in Physiology</i> , 2021, 12, 733444.	2.8	18
4	A patient-specific modelling method of blood circulatory system for the numerical simulation of enhanced external counterpulsation. <i>Journal of Biomechanics</i> , 2020, 111, 110002.	2.1	17
5	Liquid-vapor two-phase flow in centrifugal pump: Cavitation, mass transfer, and impeller structure optimization. <i>Vacuum</i> , 2022, 201, 111102.	3.5	17
6	Prediction of the adsorption properties of liquid at solid surfaces with molecular scale surface roughness via encoding-decoding convolutional neural networks. <i>Journal of Molecular Liquids</i> , 2022, 349, 118489.	4.9	12
7	Association of simultaneously measured four-limb blood pressures with cardiovascular function: a cross-sectional study. <i>BioMedical Engineering OnLine</i> , 2016, 15, 147.	2.7	10
8	Hemodynamic Mechanism of Coronary Artery Aneurysm High Occurrence on Right Coronary Artery. <i>Frontiers in Physiology</i> , 2020, 11, 323.	2.8	10
9	A machine learning strategy for fast prediction of cardiac function based on peripheral pulse wave. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 216, 106664.	4.7	9
10	A Computational Modelling of the Mechanical Performance of a Bioabsorbable Stent Undergoing Cyclic Loading. <i>Procedia Structural Integrity</i> , 2019, 15, 67-74.	0.8	5
11	Research on Arterial Stiffness Status in Type 2 Diabetic Patients Based on Pulse Waveform Characteristics. <i>CMES - Computer Modeling in Engineering and Sciences</i> , 2018, 117, 143-155.	1.1	5
12	Research on the Method of Predicting Fractional Flow Reserve Based on Multiple Independent Risk Factors. <i>Frontiers in Physiology</i> , 2021, 12, 716877.	2.8	3
13	Insight into asphaltene transformation during coal tar hydrotreatment by conventional analysis and high-resolution Fourier transform mass spectrometry coupled with collision-induced dissociation technology. <i>Journal of the Energy Institute</i> , 2022, 103, 17-32.	5.3	3
14	Validity of CAVI measurements for diagnosing hypertension in middle-aged and elderly patients and correlations of these measurements with relevant factors. <i>Technology and Health Care</i> , 2017, 25, 125-134.	1.2	2
15	Influence of the Realistic Artery Geometry Parameters on a Coronary Stent Fatigue Life. <i>International Journal of Computational Methods</i> , 2019, 16, 1842006.	1.3	2
16	Association of Simultaneously Measured Limbs Blood Pressure Differences with Ankle-Brachial Index. <i>International Journal of Computational Methods</i> , 2019, 16, 1842016.	1.3	1
17	Pulse pattern classification of atherosclerotic patients based on convolutional neural network. <i>The Proceedings of the JSME Conference on Frontiers in Bioengineering</i> , 2018, 2018.29, 2C11.	0.0	1