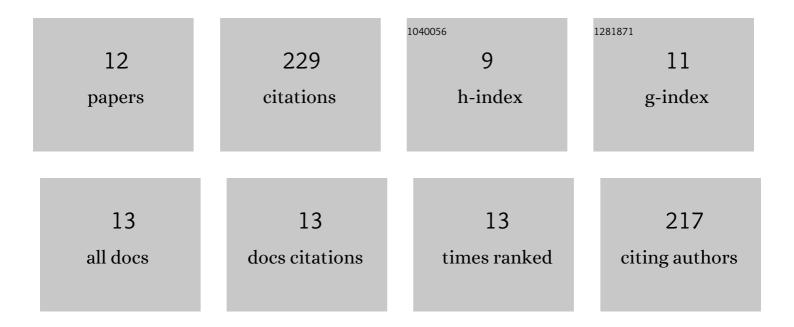
Jason Carson

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/782347/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	A semiâ€active human digital twin model for detecting severity of carotid stenoses from head vibration—A coupled computational mechanics and computer vision method. International Journal for Numerical Methods in Biomedical Engineering, 2019, 35, e3180.	2.1	48
2	Nonâ€invasive coronary CT angiographyâ€derived fractional flow reserve: A benchmark study comparing the diagnostic performance of four different computational methodologies. International Journal for Numerical Methods in Biomedical Engineering, 2019, 35, e3235.	2.1	35
3	A novel method for non-invasively detecting the severity and location of aortic aneurysms. Biomechanics and Modeling in Mechanobiology, 2017, 16, 1225-1242.	2.8	28
4	An implicit solver for 1D arterial network models. International Journal for Numerical Methods in Biomedical Engineering, 2017, 33, e2837.	2.1	27
5	Computational instantaneous waveâ€free ratio (IFR) for patientâ€specific coronary artery stenoses using 1D network models. International Journal for Numerical Methods in Biomedical Engineering, 2019, 35, e3255.	2.1	20
6	Influence of ageing on human body blood flow and heat transfer: A detailed computational modelling study. International Journal for Numerical Methods in Biomedical Engineering, 2018, 34, e3120.	2.1	19
7	A data-driven model to study utero-ovarian blood flow physiology during pregnancy. Biomechanics and Modeling in Mechanobiology, 2019, 18, 1155-1176.	2.8	15
8	Personalising cardiovascular network models in pregnancy: A twoâ€tiered parameter estimation approach. International Journal for Numerical Methods in Biomedical Engineering, 2020, 37, e3267.	2.1	13
9	A framework for incorporating 3D hyperelastic vascular wall models in 1D blood flow simulations. Biomechanics and Modeling in Mechanobiology, 2021, 20, 1231-1249.	2.8	10
10	Artificial intelligence approaches to predict coronary stenosis severity using non-invasive fractional flow reserve. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2020, 234, 1337-1350.	1.8	9
11	Automating fractional flow reserve (FFR) calculation from CT scans: A rapid workflow using unsupervised learning and computational fluid dynamics. International Journal for Numerical Methods in Biomedical Engineering, 2022, 38, e3559.	2.1	3

12 Mathematical Techniques for Circulatory Systems. , 2019, , 79-94.

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