

# Leif Rune Hellevik

## List of Publications by Year in descending order

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9  
papers

382  
citations

1307594

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1474206

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g-index

9  
all docs

9  
docs citations

9  
times ranked

530  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of side branch flow upon physiological indices in coronary artery disease. Journal of Biomechanics, 2020, 103, 109698.	2.1	21
2	Uncertainty Propagation through a Point Model for Steady-State Two-Phase Pipe Flow. Algorithms, 2020, 13, 53.	2.1	2
3	Cardiovascular models for personalised medicine: Where now and where next?. Medical Engineering and Physics, 2019, 72, 38-48.	1.7	42
4	Uncertainty quantification and sensitivity analysis of material parameters in crystal plasticity finite element models. Journal of Mechanics of Materials and Structures, 2018, 13, 379-400.	0.6	5
5	A guide to uncertainty quantification and sensitivity analysis for cardiovascular applications. International Journal for Numerical Methods in Biomedical Engineering, 2016, 32, e02755.	2.1	105
6	A benchmark study of numerical schemes for one-dimensional arterial blood flow modelling. International Journal for Numerical Methods in Biomedical Engineering, 2015, 31, e02732.	2.1	144
7	Impact of Pulmonary Venous Locations on the Intra-Atrial Flow and the Mitral Valve Plane Velocity Profile. Cardiovascular Engineering and Technology, 2012, 3, 269-281.	1.6	21
8	An assessment of ductus venosus tapering and wave transmission from the fetal heart. Biomechanics and Modeling in Mechanobiology, 2009, 8, 509-517.	2.8	14
9	Mechanical properties of the fetal ductus venosus and umbilical vein. Heart and Vessels, 1998, 13, 175-180.	1.2	28