Mirko Bonfanti

List of Publications by Year
in descending order

		1307594	1281871
12 papers	219 citations	7 h-index	11 g-index
15 all docs	15 docs citations	15 times ranked	228 citing authors

#	Article	IF	Citations
1	Computational tools for clinical support: a multi-scale compliant model for haemodynamic simulations in an aortic dissection based on multi-modal imaging data. Journal of the Royal Society Interface, 2017, 14, 20170632.	3.4	63
2	A simplified method to account for wall motion in patient-specific blood flow simulations of aortic dissection: Comparison with fluid-structure interaction. Medical Engineering and Physics, 2018, 58, 72-79.	1.7	37
3	Patient-specific haemodynamic simulations of complex aortic dissections informed by commonly available clinical datasets. Medical Engineering and Physics, 2019, 71, 45-55.	1.7	37
4	A Combined In Vivo, In Vitro, In Silico Approach for Patient-Specific Haemodynamic Studies of Aortic Dissection. Annals of Biomedical Engineering, 2020, 48, 2950-2964.	2.5	23
5	A novel MRI-based data fusion methodology for efficient, personalised, compliant simulations of aortic haemodynamics. Journal of Biomechanics, 2021, 129, 110793.	2.1	17
6	A method to estimate concrete hydraulic conductivity of underground tunnel to assess lining degradation. Tunnelling and Underground Space Technology, 2015, 50, 415-423.	6.2	15
7	Experimental evaluation of the patient-specific haemodynamics of an aortic dissection model using particle image velocimetry. Journal of Biomechanics, 2022, 134, 110963.	2.1	9
8	Low-Cost Fabrication of Polyvinyl Alcohol-Based Personalized Vascular Phantoms for In Vitro Hemodynamic Studies: Three Applications. Journal of Engineering and Science in Medical Diagnostics and Therapy, 2020, 3, .	0.5	7
9	An in silico study of the influence of vessel wall deformation on neointimal hyperplasia progression in peripheral bypass grafts. Medical Engineering and Physics, 2019, 74, 137-145.	1.7	4
10	Gas transfer model to design a ventilator for neonatal total liquid ventilation. Medical Engineering and Physics, 2015, 37, 1133-1140.	1.7	2
11	A Computational Framework for Pre-Interventional Planning of Peripheral Arteriovenous Malformations. Cardiovascular Engineering and Technology, 2022, 13, 234-246.	1.6	2
12	Virtual TEVAR: Overcoming the Roadblocks of In-Silico Tools for Aortic Dissection Treatment. Theranostics, 2018, 8, 6384-6385.	10.0	1