

# Mirko Bonfanti

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/262111/publications.pdf>

Version: 2024-02-01

12  
papers

219  
citations

1307594

7  
h-index

1281871

11  
g-index

15  
all docs

15  
docs citations

15  
times ranked

228  
citing authors

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