

Stefano Buoso

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

130
citations

1307594

7
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

89
citing authors

#	ARTICLE	IF	CITATIONS
1	Personalising left-ventricular biophysical models of the heart using parametric physics-informed neural networks. <i>Medical Image Analysis</i> , 2021, 71, 102066.	11.6	33
2	Reduced-order modeling of blood flow for noninvasive functional evaluation of coronary artery disease. <i>Biomechanics and Modeling in Mechanobiology</i> , 2019, 18, 1867-1881.	2.8	21
3	Electro-aeromechanical modelling of actuated membrane wings. <i>Journal of Fluids and Structures</i> , 2015, 58, 188-202.	3.4	18
4	Viscoelastic effects in the aeromechanics of actuated elastomeric membrane wings. <i>Journal of Fluids and Structures</i> , 2016, 63, 40-56.	3.4	13
5	Functional Polarity of Microvascular Brain Endothelial Cells Supported by Neurovascular Unit Computational Model of Large Neutral Amino Acid Homeostasis. <i>Frontiers in Physiology</i> , 2018, 9, 171.	2.8	12
6	Bat-inspired integrally actuated membrane wings with leading-edge sensing. <i>Bioinspiration and Biomimetics</i> , 2018, 13, 016013.	2.9	9
7	On-Demand Aerodynamics in Integrally Actuated Membranes with Feedback Control. <i>AIAA Journal</i> , 2017, 55, 377-388.	2.6	8
8	Propagation of Plasma L-Phenylalanine Concentration Fluctuations to the Neurovascular Unit in Phenylketonuria: An in silico Study. <i>Frontiers in Physiology</i> , 2019, 10, 360.	2.8	7
9	A 3D personalized cardiac myocyte aggregate orientation model using MRI data-driven low-rank basis functions. <i>Medical Image Analysis</i> , 2021, 71, 102064.	11.6	5
10	Rapid inference of personalised left-ventricular meshes by deformation-based differentiable mesh voxelization. <i>Medical Image Analysis</i> , 2022, 79, 102445.	11.6	4
11	High-fidelity simulation and reduced-order modelling of integrally-actuated membrane wings with feedback control. , 2016, , .		0