

# Tiziano Passerini

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

608  
citations

933264

10  
h-index

996849

15  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1012  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning acceleration of Total Lagrangian Explicit Dynamics for soft tissue mechanics. Computer Methods in Applied Mechanics and Engineering, 2020, 358, 112628.	3.4	34
2	Data-driven reduction of cardiac models. , 2020, , 117-160.		0
3	Deep neural networks for ECG-free cardiac phase and end-diastolic frame detection on coronary angiographies. Computerized Medical Imaging and Graphics, 2020, 84, 101749.	3.5	10
4	Reply to Liu et al.. Journal of Applied Physiology, 2018, 125, 1353-1353.	1.2	0
5	Platform and algorithm effects on computational fluid dynamics applications in life sciences. Future Generation Computer Systems, 2017, 67, 382-396.	4.9	9
6	Comprehensive preclinical evaluation of a multi-physics model of liver tumor radiofrequency ablation. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 1543-1559.	1.7	12
7	A Parameter Estimation Framework for Patient-Specific Assessment of Aortic Coarctation. , 2017, , 89-109.		0
8	Patient-Specific Modeling of the Coronary Circulation. , 2017, , 61-88.		0
9	A machine-learning approach for computation of fractional flow reserve from coronary computed tomography. Journal of Applied Physiology, 2016, 121, 42-52.	1.2	288
10	Personalized Computer Simulation of Diastolic Function in Heart Failure. Genomics, Proteomics and Bioinformatics, 2016, 14, 244-252.	3.0	6
11	Comparison of Fractional Flow Reserve Based on Computational Fluid Dynamics Modeling Using Coronary Angiographic Vessel Morphology Versus Invasively Measured Fractional Flow Reserve. American Journal of Cardiology, 2016, 117, 29-35.	0.7	68
12	A parameter estimation framework for patient-specific hemodynamic computations. Journal of Computational Physics, 2015, 281, 316-333.	1.9	20
13	Computational fluid dynamics applied to virtually deployed drug-eluting coronary bioresorbable scaffolds: Clinical translations derived from a proof-of-concept. Global Cardiology Science & Practice, 2014, 2014, 56.	0.3	6
14	Experiences with Cost and Utility Trade-offs on IaaS Clouds, Grids, and On-Premise Resources. , 2014, , .		2
15	Treatment planning for a TCPC test case: A numerical investigation under rigid and moving wall assumptions. International Journal for Numerical Methods in Biomedical Engineering, 2013, 29, 197-216.	1.0	19
16	Biomechanical Assessment of Fully Bioresorbable Devices. JACC: Cardiovascular Interventions, 2013, 6, 760-761.	1.1	16
17	Spatial Smoothing for Data Distributed over Non-planar Domains. Contributions To Statistics, 2013, , 123-135.	0.2	1
18	Experiences with Target-Platform Heterogeneity in Clouds, Grids, and On-Premises Resources. , 2012, , .		9

#	ARTICLE	IF	CITATIONS
19	An Integrated Statistical Investigation of Internal Carotid Arteries of Patients Affected by Cerebral Aneurysms. Cardiovascular Engineering and Technology, 2012, 3, 26-40.	0.7	31
20	Assisted Fontan procedure: animal and in vitro models and computational fluid dynamics study. Interactive Cardiovascular and Thoracic Surgery, 2010, 10, 679-684.	0.5	15
21	A 3D/1D geometrical multiscale model of cerebral vasculature. Journal of Engineering Mathematics, 2009, 64, 319-330.	0.6	62
22	A geometrical multiscale approach to the evaluation of hemodynamic risk factors for internal carotid artery aneurysm development.. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 2120013-2120014.	0.2	0