Jorge Aramburu

List of Publications by Year
in descending order

19	187	840585 11	1058333 14
papers	citations	h-index	g-index

19	19	19	95
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Computational Fluid Dynamics Modeling of Liver Radioembolization: A Review. CardioVascular and Interventional Radiology, 2022, 45, 12-20.	0.9	13
2	â€œComputational study of a novel catheter for liver radioembolizationâ€• International Journal for Numerical Methods in Biomedical Engineering, 2022, , e3577.	1.0	2
3	How Could 90Y-Loaded Microsphere Distribution Be Optimized?. CardioVascular and Interventional Radiology, 2022, 45, 970-971.	0.9	1
4	Estimating central blood pressure from aortic flow: development and assessment of algorithms. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H494-H510.	1.5	19
5	A proof-of-concept study of the in-vivo validation of a computational fluid dynamics model of personalized radioembolization. Scientific Reports, 2021, 11, 3895.	1.6	12
6	CFD Simulations of Radioembolization: A Proof-of-Concept Study on the Impact of the Hepatic Artery Tree Truncation. Mathematics, 2021, 9, 839.	1.1	5
7	In Vitro Model for Simulating Drug Delivery during Balloon-Occluded Transarterial Chemoembolization. Biology, 2021, 10, 1341.	1.3	2
8	On the importance of spiralâ€flow inflow boundary conditions when using idealized artery geometries in the analysis of liver radioembolization: A parametric study. International Journal for Numerical Methods in Biomedical Engineering, 2020, 36, e3337.	1.0	3
9	Liver Radioembolization: An Analysis of Parameters that Influence the Catheter-Based Particle-Delivery via CFD. Current Medicinal Chemistry, 2020, 27, 1600-1615.	1.2	15
10	ENERGY EFFICIENCY OF A RAILWAY CARRIAGE AIR CONDITIONING SYSTEM: PARAMETRIC ANALYSIS AND OPTIMIZATION THROUGH DoE TECHNIQUES. Dyna (Spain), 2020, 95, 640-645.	0.1	0
11	A methodology for numerically analysing the hepatic artery haemodynamics during B-TACE: a proof of concept. Computer Methods in Biomechanics and Biomedical Engineering, 2019, 22, 518-532.	0.9	4
12	Numerical zeroâ€dimensional hepatic artery hemodynamics model for balloonâ€occluded transarterial chemoembolization. International Journal for Numerical Methods in Biomedical Engineering, 2018, 34, e2983.	1.0	11
13	Computational particleâ€“haemodynamics analysis of liver radioembolization pretreatment as an actual treatment surrogate. International Journal for Numerical Methods in Biomedical Engineering, 2017, 33, e02791.	1.0	19
14	The role of angledâ€tip microcatheter and microsphere injection velocity in liver radioembolization: A computational particleâ€“hemodynamics study. International Journal for Numerical Methods in Biomedical Engineering, 2017, 33, e2895.	1.0	15
15	A methodology for assessing local bifurcated blood vessel shape variations. Biomedical Physics and Engineering Express, 2016, 2, 015001.	0.6	0
16	Computational assessment of the effects of the catheter type on particleâ€“hemodynamics during liver radioembolization. Journal of Biomechanics, 2016, 49, 3705-3713.	0.9	17
17	Numerical investigation of liver radioembolization via computational particleâ€“hemodynamics: The role of the microcatheter distal direction and microsphere injection point and velocity. Journal of Biomechanics, 2016, 49, 3714-3721.	0.9	12
18	Liver cancer arterial perfusion modelling and CFD boundary conditions methodology: a case study of the haemodynamics of a patientâ€specific hepatic artery in literatureâ€based healthy and tumourâ€bearing liver scenarios. International Journal for Numerical Methods in Biomedical Engineering, 2016, 32, e02764.	1.0	26

#	Article	IF	Citations
19	Physiological outflow boundary conditions methodology for small arteries with multiple outlets: A patient-specific hepatic artery haemodynamics case study. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2015, 229, 291-306.	1.0	11