Claudio De Lazzari

List of Publications by Year
in descending order

51 papers	495 citations	687363 13 h-index	752698 20 g-index
55 all docs	55 docs citations	55 times ranked	307 citing authors

#	Article	IF	Citations
1	ECG evaluation in 11â€Š949 Italian teenagers: results of screening in secondary school. Journal of Cardiovascular Medicine, 2022, 23, 98-105.	1.5	4
2	Computational Simulator Models and Invasive Hemodynamic Monitoring as Tools for Precision Medicine in Pulmonary Arterial Hypertension. Journal of Clinical Medicine, 2022, 11, 82.	2.4	2
3	Ventricular and Atrial Pressureâ€"Volume Loops: Analysis of the Effects Induced by Right Centrifugal Pump Assistance. Bioengineering, 2022, 9, 181.	3.5	3
4	Telehealth: A winning weapon to face the COVID-19 outbreak for patients with pulmonary arterial hypertension. Vascular Pharmacology, 2022, 145, 107024.	2.1	2
5	ECMO Assistance during Mechanical Ventilation: Effects Induced on Energetic and Haemodynamic Variables. Computer Methods and Programs in Biomedicine, 2021, 202, 106003.	4.7	9
6	Intra-aortic balloon counterpulsation timing: A new numerical model for programming and training in the clinical environment.. Computer Methods and Programs in Biomedicine, 2020, 194, 105537.	4.7	6
7	In silico study of airway/lung mechanics in normal human breathing. Mathematics and Computers in Simulation, 2020, 177, 603-624.	4.4	7
8	How can LVAD support influence ventricular energetics parameters in advanced heart failure patients? A retrospective study. Computer Methods and Programs in Biomedicine, 2019, 172, 117-126.	4.7	4
9	A New Numerical Model of the Intra-aortic Balloon Pump as a Tool for Clinical Simulation and Outcome Prediction. IFMBE Proceedings, 2019, , 795-799.	0.3	1
10	Non-Ionizing Radiation for Cardiac Human Amniotic Mesenchymal Stromal Cell Commitment: A Physical Strategy in Regenerative Medicine. International Journal of Molecular Sciences, 2018, 19, 2324.	4.1	4
11	Simulation as a preoperative planning approach in advanced heart failure patients. A retrospective clinical analysis. BioMedical Engineering OnLine, 2018, 17, 52.	2.7	25
12	Screening high school students in Italy for sudden cardiac death prevention by using a telecardiology device: a retrospective observational study. Cardiology in the Young, 2017, 27, 74-81.	0.8	16
13	Cardiac Energetics in Presence of Lung Assist Devices: <i>In Silico</i> Study. Modeling and Numerical Simulation of Material Science, 2016, 06, 41-57.	0.3	1
14	Lung assist devices influence cardio-energetic parameters: Numerical simulation study. , 2015, 2015, 4515-9.		1
15	Interactive simulator for e-Learning environments: a teaching software for health care professionals. BioMedical Engineering OnLine, 2014, 13, 172.	2.7	20
16	Effects of amlodipine and adenosine on coronary haemodynamics:in vivostudy and numerical simulation. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 1642-1652.	1.6	7
17	Mechanical ventilation and thoracic artificial lung assistance during mechanical circulatory support with PUCA pump: In silico study. Computer Methods and Programs in Biomedicine, 2014, 113, 642-654.	4.7	9
18	Simulation for enhancing e-Learning environments: A software for teaching heart-lung interaction to medicine students. , 2013, , .		1

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19	In silico study of the haemodynamic effects induced by mechanical ventilation and biventricular pacemaker. Computer Methods and Programs in Biomedicine, 2013, 110, 519-527.	4.7	6
20	Visualization Aspects of Motion Tracking and Analysis of the Outer Surface of the Left Ventricle. Biomedizinische Technik, 2013, 58 Suppl 1, .	0.8	0
21	Interaction between the septum and the left (right) ventricular free wall in order to evaluate the effects on coronary blood flow: numerical simulation. Computer Methods in Biomechanics and Biomedical Engineering, 2012, 15, 1359-1368.	1.6	19
22	A Survey of Telecardiology Projects in Italy. , 2012, , .		1
23	Energetic Ventricular Balance during Cardiac Resynchronization Therapy: Numerical Simulation. , 2011, , .		0
24	The first veterinary telemedicine study group. Journal of Telemedicine and Telecare, 2010, 16, 162-163.	2.7	3
25	Cardiac resynchronization therapy: could a numerical simulator be a useful tool in order to predict the response of the biventricular pacemaker synchronization?. European Review for Medical and Pharmacological Sciences, 2010, 14, 969-78.	0.7	8
26	Computer Simulation of Coronary Flow Waveforms during Caval Occlusion. Methods of Information in Medicine, 2009, 48, 113-122.	1.2	15
27	Application of a user-friendly comprehensive circulatory model for estimation of hemodynamic and ventricular variables. International Journal of Artificial Organs, 2008, 31, 1043-1054.	1.4	9
28	Reporting adverse experiences related to drugs: an ontology-based tool to help the citizens. AMIA ... Annual Symposium proceedings, 2008, , 923.	0.2	0
29	Right Ventricular Assistance by Continuous Flow Device. Methods of Information in Medicine, 2007, 46, 530-537.	1.2	6
30	Numerical Simulation of Hemodynamic Changes During Beating-heart Surgery: Analysis of the Effects of Cardiac Position Alteration in an Animal Model. Artificial Organs, 2007, 31, 73-79.	1.9	5
31	Right ventricular assistance by continuous flow device. A numerical simulation. Methods of Information in Medicine, 2007, 46, 530-7.	1.2	0
32	Modelling in the study of interaction of Hemopump device and artificial ventilation. Computers in Biology and Medicine, 2006, 36, 1235-1251.	7.0	18
33	The impact of rotary blood pump in conjunction with mechanical ventilation on ventricular energetic parameters - numerical simulation. Methods of Information in Medicine, 2006, 45, 574-83.	1.2	4
34	Development of a Hybrid (numerical-hydraulic) Circulatory Model: Prototype Testing and Its Response to IABP Assistance. International Journal of Artificial Organs, 2005, 28, 750-759.	1.4	24
35	In vivo and simulation study of artificial ventilation effects on energetic variables in cardiosurgical patients. Methods of Information in Medicine, 2005, 44, 98-105.	1.2	2
36	A Simple Method for E_{max} Evaluation: in Vitro Results. International Journal of Artificial Organs, 2004, 27, 149-156.	1.4	0

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37	A Hybrid Mock Circulatory System: Development and Testing of an Electro-hydraulic Impedance Simulator. International Journal of Artificial Organs, 2003, 26, 53-63.	1.4	29
38	Modelling of Cardiovascular System: Development of a Hybrid (Numerical-Physical) Model. International Journal of Artificial Organs, 2003, 26, 1104-1114.	1.4	23
39	Energetic parameter changes with mechanical ventilation in conjunction with BVAD assistance. Journal of Medical Engineering and Technology, 2002, 26, 63-70.	1.4	3
40	A Hybrid Mock Circulatory System: Testing a Prototype Under Physiologic and Pathological Conditions. ASAIO Journal, 2002, 48, 487-494.	1.6	41
41	Study of Systolic Pressure Variation (SPV) in Presence of Mechanical Ventilation. International Journal of Artificial Organs, 2002, 25, 313-320.	1.4	8
42	Ventricular energetics during mechanical ventilation and intraaortic balloon pumping?computer simulation. Journal of Medical Engineering and Technology, 2001, 25, 103-111.	1.4	11
43	Computer simulation of haemodynamic parameters changes with left ventricle assist device and mechanical ventilation. Computers in Biology and Medicine, 2000, 30, 55-69.	7.0	19
44	A virtual instrument (VI) for haemodynamic management in ICU and during surgery. Journal of Medical Engineering and Technology, 2000, 24, 111-116.	1.4	3
45	The influence of left ventricle assist device and ventilatory support on energy-related cardiovascular variables.. Medical Engineering and Physics, 1998, 20, 83-91.	1.7	12
46	Technical standards for medical devices. Assisted circulation devices. Technology and Health Care, 1997, 5, 449-459.	1.2	7
47	A desk-top computer model of the circulatory system for heart assistance simulation: effect of an LVAD on energetic relationships inside the left ventricle. Medical Engineering and Physics, 1994, 16, 97-103.	1.7	17
48	A modular numerical model of the cardiovascular system for studying and training in the field of cardiovascular physiopathology. Journal of Biomedical Engineering, 1992, 14, 91-107.	0.7	66
49	Hybrid (Numerical-Physical) Circulatory Models: Description and Possible Applications. , 0, , .		5
50	An Ontology Supporting an On-Board Vehicle Multimodal Interaction System. , 0, , 230-242.		2
51	Telemedicine and telehealth: an Italian and UK perspective. Medic'inisa Da Menejmentis Ak'tualuri Problemebi, 0, , .	0.0	0