

# Ettore Lanzarone

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

1,155  
citations

471371

17  
h-index

454834

30  
g-index

85  
all docs

85  
docs citations

85  
times ranked

1025  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temporary Reperfusion of the Aneurysm Sac as a Prevention of Spinal Cord Ischemia After Endovascular Treatment of Thoracoabdominal Aortic Aneurysm: Systematic Review and Meta-analysis. <i>Journal of Endovascular Therapy</i> , 2023, 30, 323-335.	0.8	2
2	Bayesian spatio-temporal modelling and prediction of areal demands for ambulance services. <i>IMA Journal of Management Mathematics</i> , 2022, 33, 101-121.	1.1	4
3	A First Route Second Assign decomposition to enforce continuity of care in home health care. <i>Expert Systems With Applications</i> , 2022, 193, 116442.	4.4	9
4	Energy-Efficient Control of Parallel and Identical Machines: Impact on the Overall Production System. <i>Procedia CIRP</i> , 2022, 105, 739-744.	1.0	5
5	A Clustering Approach to Improve IntraVoxel Incoherent Motion Maps from DW-MRI Using Conditional Auto-Regressive Bayesian Model. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1907.	1.3	2
6	Automatic cyst and kidney segmentation in autosomal dominant polycystic kidney disease: Comparison of U-Net based methods. <i>Computers in Biology and Medicine</i> , 2022, 146, 105431.	3.9	3
7	A patient-specific image-based approach to estimate pulmonary artery stiffness based on vessel constitutive model. <i>Medical Engineering and Physics</i> , 2022, , 103851.	0.8	0
8	A Matheuristic Approach for the Home Care Scheduling Problem With Chargeable Overtime and Preference Matching. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021, 18, 282-298.	3.4	12
9	Home care vehicle routing problem with chargeable overtime and strict and soft preference matching. <i>Health Care Management Science</i> , 2021, 24, 140-159.	1.5	10
10	A gradient-based optimization method with functional principal component analysis for efficient structural topology optimization. <i>Structural and Multidisciplinary Optimization</i> , 2021, 64, 177-188.	1.7	3
11	Prediction model of isolated iliac and abdominal aneurysms. <i>European Journal of Clinical Investigation</i> , 2021, 51, e13517.	1.7	2
12	A discrete-event simulation model for analysing and improving operations in a blood donation centre. <i>Vox Sanguinis</i> , 2021, 116, 1060-1075.	0.7	8
13	Bayesian identification of energy models for industrial machinery controlled rotary axes. <i>Journal of Cleaner Production</i> , 2021, 316, 128187.	4.6	0
14	An implementor-adversary approach for uncertain and time-correlated service times in the nurse-to-patient assignment problem. <i>Computers and Operations Research</i> , 2021, 135, 105378.	2.4	3
15	Merging short-term and long-term planning problems in home health care under continuity of care and patterns for visits. <i>Journal of Industrial and Management Optimization</i> , 2021, ,	0.8	2
16	Energy-Efficient Control Policy for Parallel and Identical Machines With Availability Constraint. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 5713-5719.	3.3	10
17	An optimization tool to dimension innovative home health care services with devices and disposable materials. <i>Flexible Services and Manufacturing Journal</i> , 2020, 32, 561-598.	1.9	6
18	A novel bayesian approach with conditional autoregressive specification for intravoxel incoherent motion diffusion-weighted MRI. <i>NMR in Biomedicine</i> , 2020, 33, e4201.	1.6	10

#	ARTICLE	IF	CITATIONS
19	A robust cardinality-constrained model to address the machine loading problem. <i>Robotics and Computer-Integrated Manufacturing</i> , 2020, 62, 101883.	6.1	0
20	Optimal robust search for parameter values of qualitative models of gene regulatory networks. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2020, PP, 1-1.	1.9	0
21	A stochastic risk-averse framework for blood donation appointment scheduling under uncertain donor arrivals. <i>Health Care Management Science</i> , 2020, 23, 535-555.	1.5	9
22	A recursive simulation-optimization framework for the ambulance location and dispatching problem. <i>European Journal of Operational Research</i> , 2020, 286, 713-725.	3.5	37
23	Uncertainty in the Blood Donation Appointment Scheduling: Key Factors and Research Perspectives. <i>Springer Proceedings in Mathematics and Statistics</i> , 2020, , 293-304.	0.1	4
24	A Variable Neighborhood Search for Home Care Scheduling Under Chargeable Overtime and Preference Matching*. , 2019, , .		3
25	Hospital Factory for Manufacturing Customised, Patient-Specific 3D Anatomic-Functional Models and Prostheses. , 2019, , 233-254.		4
26	Monitoring Systems of an Electrospinning Plant for the Production of Composite Nanofibers. , 2019, , 315-337.		3
27	A comminution model with homogeneity and multiplication assumptions for the Waste Electrical and Electronic Equipment recycling industry. <i>Journal of Cleaner Production</i> , 2019, 211, 665-678.	4.6	11
28	A Bayesian approach for the identification of patient-specific parameters in a dialysis kinetic model. <i>Statistical Methods in Medical Research</i> , 2019, 28, 2069-2095.	0.7	7
29	A Conditional Autoregressive Model for Estimating Slow and Fast Diffusion from Magnetic Resonance Images. <i>Springer Proceedings in Mathematics and Statistics</i> , 2019, , 135-144.	0.1	1
30	Applying functional principal components to structural topology optimization. <i>International Journal for Numerical Methods in Engineering</i> , 2018, 115, 189-208.	1.5	9
31	Trade-off between stakeholders' goals in the home care nurse-to-patient assignment problem. <i>Operations Research for Health Care</i> , 2018, 16, 29-40.	0.8	31
32	A Model-Based Tool for the Analysis and Design of Gene Regulatory Networks. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2018, 15, 1301-1314.	1.9	1
33	An appointment scheduling framework to balance the production of blood units from donation. <i>European Journal of Operational Research</i> , 2018, 265, 1124-1143.	3.5	26
34	Unaddressed problems and research perspectives in scheduling blood collection from donors. <i>Production Planning and Control</i> , 2018, 29, 84-90.	5.8	17
35	A Data-Driven Districting to Improve Emergency Medical Service Systems. <i>IFAC-PapersOnLine</i> , 2018, 51, 998-1003.	0.5	4
36	Complexity reduction of Model Predictive Control for a de-manufacturing plant. <i>IFAC-PapersOnLine</i> , 2018, 51, 296-301.	0.5	0

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37	A Fix-and-Optimize Variable Neighborhood Search for the Biomedical Sample Transportation Problem. IFAC-PapersOnLine, 2018, 51, 992-997.	0.5	2
38	A compliant aortic model for in vitro simulations: Design and manufacturing process. Medical Engineering and Physics, 2018, 59, 21-29.	0.8	19
39	Defect minimization and feature control in electrospinning through design of experiments. Journal of Applied Polymer Science, 2017, 134, .	1.3	13
40	A Bayesian estimation approach for the mortality in a stage-structured demographic model. Journal of Mathematical Biology, 2017, 75, 759-779.	0.8	15
41	Stent-Graft Deployment Increases Aortic Stiffness in an Ex Vivo Porcine Model. Annals of Vascular Surgery, 2017, 43, 302-308.	0.4	28
42	A Regression Method Based on Noninvasive Clinical Data to Predict the Mechanical Behavior of Ascending Aorta Aneurysmal Tissue. IEEE Transactions on Biomedical Engineering, 2017, 64, 2607-2617.	2.5	6
43	Defect Detection in SEM Images of Nanofibrous Materials. IEEE Transactions on Industrial Informatics, 2017, 13, 551-561.	7.2	90
44	A Cardinality-constrained Approach for Robust Machine Loading Problems. Procedia Manufacturing, 2017, 11, 1718-1725.	1.9	4
45	A multi-user tool for enhancing the daily replanning and control of visits in home care services. Production Planning and Control, 2017, 28, 202-219.	5.8	5
46	A Novel Insight into the Role of Entry Tears in Type B Aortic Dissection: Pressure Measurements in an in Vitro Model. International Journal of Artificial Organs, 2017, 40, 563-574.	0.7	8
47	A New Decomposition Approach for the Home Health Care Problem. Springer Proceedings in Mathematics and Statistics, 2017, , 27-36.	0.1	2
48	A Cardinality-Constrained Robust Approach for the Ambulance Location and Dispatching Problem. Springer Proceedings in Mathematics and Statistics, 2017, , 99-109.	0.1	1
49	Changes in aortic pulse wave velocity of four thoracic aortic stent grafts in an ex vivo porcine model. PLoS ONE, 2017, 12, e0186080.	1.1	26
50	A Bayesian Model for Describing and Predicting the Stochastic Demand of Emergency Calls. Springer Proceedings in Mathematics and Statistics, 2017, , 203-212.	0.1	3
51	A Discrete Event Simulation Model for the Admission of Patients to a Home Care Rehabilitation Service. Springer Proceedings in Mathematics and Statistics, 2016, , 91-100.	0.1	3
52	Management of Blood Donation System: Literature Review and Research Perspectives. Springer Proceedings in Mathematics and Statistics, 2016, , 121-132.	0.1	10
53	A Bayesian framework for describing and predicting the stochastic demand of home care patients. Flexible Services and Manufacturing Journal, 2016, 28, 254-279.	1.9	19
54	A Clinically Applicable Stochastic Approach for Noninvasive Estimation of Aortic Stiffness Using Computed Tomography Data. IEEE Transactions on Biomedical Engineering, 2015, 62, 176-187.	2.5	16

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55	A Particle-Filtering Approach for Real-Time Estimation of Thermal Conductivity and Temperature Tracking in Homogeneous Masses. Numerical Heat Transfer, Part B: Fundamentals, 2015, 67, 507-530.	0.6	5
56	Efficient uncertainty quantification in stochastic finite element analysis based on functional principal components. Computational Mechanics, 2015, 56, 533-549.	2.2	7
57	Bayesian Estimation of the Aortic Stiffness based on Non-invasive Computed Tomography Images. Springer Proceedings in Mathematics and Statistics, 2015, , 133-142.	0.1	0
58	Bayesian Filtering for Thermal Conductivity Estimation Given Temperature Observations. Springer Proceedings in Mathematics and Statistics, 2015, , 143-151.	0.1	0
59	Handling uncertainty in health care management using the cardinality-constrained approach: Advantages and remarks. Operations Research for Health Care, 2015, 4, 1-4.	0.8	31
60	Qualitative assessment of a collaborative multi-user tool for enhancing the daily replanning and control of visits in Home Care services. , 2014, , .		1
61	Assigning probabilities to qualitative dynamics of gene regulatory networks. Journal of Mathematical Biology, 2014, 69, 1661-1692.	0.8	3
62	A cardinality-constrained robust model for the assignment problem in Home Care services. European Journal of Operational Research, 2014, 236, 748-762.	3.5	106
63	Robust nurse-to-patient assignment in home care services to minimize overtime under continuity of care. Operations Research for Health Care, 2014, 3, 48-58.	0.8	89
64	Bayesian Estimation of Thermal Conductivity and Temperature Profile in a Homogeneous Mass. Numerical Heat Transfer, Part B: Fundamentals, 2014, 66, 397-421.	0.6	10
65	A Rao-Blackwellized particle filter for joint parameter estimation and biomass tracking in a stochastic predator-prey system. Mathematical Biosciences and Engineering, 2014, 11, 573-597.	1.0	8
66	Inertance Estimation in a Lumped-Parameter Hydraulic Simulator of Human Circulation. Journal of Biomechanical Engineering, 2013, 135, 61012-17.	0.6	10
67	Collaboration enhancement through tangible metaphors: Application to home care rescheduling. , 2013, , .		2
68	Operations Management Applied to Home Care Services: The Problem of Assigning Human Resources to Patients. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2012, 42, 1346-1363.	3.4	80
69	A cost assignment policy for home care patients. Flexible Services and Manufacturing Journal, 2012, 24, 465-495.	1.9	53
70	The nurse-to-patient assignment problem in Home Care services. Profiles in Operations Research, 2012, , 121-139.	0.3	8
71	Response to the Letter to the Editor: A New Pulsatile Volumetric Device With Biomorphic Valves for the In Vitro Study of the Cardiovascular System by M.B. Munir et al. Artificial Organs, 2011, 35, 97-98.	1.0	4
72	Preservation of endothelium nitric oxide release during beating heart surgery with respect to continuous flow cardiopulmonary bypass. Perfusion (United Kingdom), 2010, 25, 57-64.	0.5	12

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73	A patient stochastic model to support human resource planning in home care. <i>Production Planning and Control</i> , 2010, 21, 3-25.	5.8	57
74	A simple policy for the nurse-patient assignment in Home Care services. , 2010, , .		3
75	Determination of Cardiovascular Mechanics Evolution in the Presence of the Arteriovenous Fistula. <i>ASAIO Journal</i> , 2009, 55, 484-493.	0.9	6
76	Integrated Model of Endothelial NO Regulation and Systemic Circulation for the Comparison Between Pulsatile and Continuous Perfusion. <i>IEEE Transactions on Biomedical Engineering</i> , 2009, 56, 1331-1340.	2.5	14
77	Simulation study of autoregulation responses of peripheral circulation to systemic pulsatility. <i>Nonlinear Biomedical Physics</i> , 2009, 3, 7.	1.5	8
78	A New Pulsatile Volumetric Device With Biomorphoc Valves for the In Vitro Study of the Cardiovascular System. <i>Artificial Organs</i> , 2009, 33, 1048-1062.	1.0	30
79	Preservation of Endothelium Nitric Oxide Release by Pulsatile Flow Cardiopulmonary Bypass When Compared With Continuous Flow. <i>Artificial Organs</i> , 2009, 33, 926-934.	1.0	35
80	Model of arterial tree and peripheral control for the study of physiological and assisted circulation. <i>Medical Engineering and Physics</i> , 2007, 29, 542-555.	0.8	37
81	Bayesian joint modelling of the health profile and demand of home care patients. <i>IMA Journal of Management Mathematics</i> , 0, , dpw001.	1.1	4