Mauricio Toro

List of Publications by Year
in descending order

21 papers	**254** citations	1478505 **6** h-index
42 all docs	**42** docs citations	**42** times ranked

996975 **15** g-index

182 citing authors

#	Article	IF	Citations
1	Functional Requirements for Management and Control of Public Transportation Vehicles, Applied to Sustainable Mobility in Medium-Sized Cities. Smart Innovation, Systems and Technologies, 2022, , 673-683.	0.6	0
2	Key Aspects for IT-Services Integration in Urban Transit Service of Medium-Sized Cities: A Qualitative Exploratory Study in Colombia. Sustainability, 2022, 14, 2478.	3.2	2
3	A Hybrid Machine-Learning Ensemble for Anomaly Detection in Real-Time Industry 4.0 Systems. IEEE Access, 2022, 10, 72024-72036.	4.2	8
4	Modeling the Risk of Infectious Diseases Transmitted by Aedes aegypti Using Survival and Aging Statistical Analysis with a Case Study in Colombia. Mathematics, 2021, 9, 1488.	2.2	4
5	A Cyber-Physical Data Collection System Integrating Remote Sensing and Wireless Sensor Networks for Coffee Leaf Rust Diagnosis. Sensors, 2021, 21, 5474.	3.8	1
6	Dengue models based on machine learning techniques: A systematic literature review. Artificial Intelligence in Medicine, 2021, 119, 102157.	6.5	31
7	A sustainable-development approach for self-adaptive cyberâ€"physical systemâ€™s life cycle: A systematic mapping study. Journal of Systems and Software, 2021, 180, 111010.	4.5	7
8	Weight-Identification Model of Cattle Using Machine-Learning Techniques for Anomaly Detection. , 2021, , .		4
9	A systematic literature review on the use of machine learning in precision livestock farming. Computers and Electronics in Agriculture, 2020, 179, 105826.	7.7	103
10	Robust Three-Step Regression Based on Comedian and Its Performance in Cell-Wise and Case-Wise Outliers. Mathematics, 2020, 8, 1259.	2.2	17
11	A Method for Detecting Coffee Leaf Rust through Wireless Sensor Networks, Remote Sensing, and Deep Learning: Case Study of the Caturra Variety in Colombia. Applied Sciences (Switzerland), 2020, 10, 697.	2.5	35
12	DetecciÃ³n de infracciones y matrÃculas en motocicletas, mediante visiÃ³n artificial, aplicado a Sistemas Inteligentes de Transporte. RISTI - Revista Iberica De Sistemas E Tecnologias De Informacao, 2020, , 1-15.	0.2	4
13	A general overview of formal languages for individual-based modelling of ecosystems. Journal of Logical and Algebraic Methods in Programming, 2019, 104, 117-126.	0.5	0
14	SimulES-W: A Collaborative Game to Improve Software Engineering Teaching. Computacion Y Sistemas, 2018, 22, .	0.3	6
15	Probabilistic Extension to the Concurrent Constraint Factor Oracle Model for Music Improvisation. Inteligencia Artificial, 2015, 18, 37-43.	0.8	1
16	Formal semantics for interactive music scores: a framework to design, specify properties and execute interactive scenarios. Journal of Mathematics and Music, 2014, 8, 93-112.	0.4	8
17	Process Ordering in a Process Calculus for Spatially-Explicit Ecological Models. Lecture Notes in Computer Science, 2014, , 345-361.	1.3	5
18	Synchronous Parallel Composition in a Process Calculus for Ecological Models. Lecture Notes in Computer Science, 2014, , 424-441.	1.3	4

#	Article	IF	Citations
19	Simulation and Verification in a Process Calculus for Spatially-Explicit Ecological Models. Scientific Annals of Computer Science, 2013, 23, 119-167.	0.1	7
20	An Overview of FORCES: An INRIA Project on Declarative Formalisms for Emergent Systems. Lecture Notes in Computer Science, 2009, , 509-513.	1.3	2
21	Mean-Field Semantics for a Process Calculus for Spatially-Explicit Ecological Models. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 204, 79-94.	0.8	2