Roman Rodriguez-Aguilar

List of Publications by Year
in descending order

52 papers	215 citations	1306789 7 h-index	1125271 13 g-index
59 all docs	59 docs citations	59 times ranked	211 citing authors

#	Article	IF	Citations
1	Digital Twins and Blockchain: Empowering the Supply Chain. Lecture Notes in Networks and Systems, 2022, , 450-456.	0.5	2
2	Electric Vehicles as Distributed Micro Generation Using Smart Grid for Decision Making: Brief Literature Review. Lecture Notes in Networks and Systems, 2022, , 981-991.	0.5	2
3	Microdata Analytics of Out-of-pocket and Catastrophic Health Spending in Mexico: an Analysis by Quantiles. Mobile Networks and Applications, 2022, 27, 2182-2197.	2.2	2
4	Improving a Manufacturing Process using Recursive Artificial Intelligence. IFIP Advances in Information and Communication Technology, 2021, , 266-275.	0.5	1
5	Design of a Logistics Network Using Analytical Techniques and Agent-Based Simulation. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 216-224.	0.2	0
6	Sentiment Analysis Model on Twitter About Video Streaming Platforms in Mexico. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 73-87.	0.2	1
7	A Nested Unsupervised Learning Model for Classification of SKU's in a Transnational Company: A Big Data Model. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 715-731.	0.5	0
8	An Analytical Intelligence Model to Discontinue Products in a Transnational Company. Advances in Intelligent Systems and Computing, 2021, , 812-822.	0.5	1
9	Estimation of the Stochastic Volatility of Oil Prices of the Mexican Basket: An Application of Boosting Monte Carlo Markov Chain Estimation. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 742-754.	0.5	0
10	Guide for Sustainable Project Analysis to Improve Energy Efficiency of Mexican SME. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 12-30.	0.2	0
11	Application of Spectral Clustering for the Detection of High Priority Areas of Attention for COVID-19 in Mexico. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 130-142.	0.2	1
12	A Comprehensive Evaluation of Environmental Projects Through a Multiparadigm Modeling Approach. Advances in Intelligent Systems and Computing, 2021, , 520-529.	0.5	1
13	Identification of Trading Strategies Using Markov Chains and Statistical Learning Tools. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 732-741.	0.5	0
14	Nature-inspired meta-heuristics approaches for charging plug-in hybrid electric vehicle. Wireless Networks, 2020, 26, 4753-4766.	2.0	41
15	Optimal consumption decisions of family networks with similar felicity functions. Wireless Networks, 2020, 26, 5703-5712.	2.0	1
16	Optimization of public resources through an ensemble-learning model to measure quality perception in the social protection system in health of Mexico. Wireless Networks, 2020, 26, 4777-4787.	2.0	1
17	Quantum-Behaved Bat Algorithm for Solving the Economic Load Dispatch Problem Considering a Valve-Point Effect. International Journal of Applied Metaheuristic Computing, 2020, 11, 41-57.	0.5	5
18	Proposal for a Comprehensive Environmental Key Performance Index of the Green Supply Chain. Mobile Networks and Applications, 2020, 25, 2161-2171.	2.2	5

#	Article	IF	Citations
19	A Hybrid Model to Simulate Test Cases of Electrical Power Systems. Applied Sciences (Switzerland), 2020, 10, 3531.	1.3	1
20	Demand Prediction Using a Soft-Computing Approach: A Case Study of Automotive Industry. Applied Sciences (Switzerland), 2020, 10, 829.	1.3	12
21	Editorial: Optimization Methods, Mobile Networks and Data Analytics: Applications in Engineering and Industry 4.0. Mobile Networks and Applications, 2020, 25, 2103-2104.	2.2	0
22	An analytical intelligence model for the management of resources for the treatment of high-cost diseases: the case of HIV in Mexico. Wireless Networks, 2020, 26, 5825-5834.	2.0	0
23	Text Mining and Statistical Learning for the Analysis of the Voice of the Customer. Lecture Notes on Data Engineering and Communications Technologies, 2020, , 191-199.	0.5	3
24	Main Metric Components in the Generation of Mixed Indicators: An Application of SGVD Methodology. EAI/Springer Innovations in Communication and Computing, 2020, , 195-206.	0.9	1
25	Designing a resilient supply chain: An approach to reduce drug shortages in epidemic outbreaks. EAI Endorsed Transactions on Pervasive Health and Technology, 2020, 6, 164260.	0.7	30
26	Estimation of Electricity Prices in the Mexican Market. Advances in Intelligent Systems and Computing, 2020, , 11-17.	0.5	0
27	Household Expenditure in Health in Mexico, 2016. Advances in Intelligent Systems and Computing, 2020, , 662-670.	0.5	1
28	Conceptual framework of Digital Health Public Emergency System: digital twins and multiparadigm simulation. EAI Endorsed Transactions on Pervasive Health and Technology, 2020, 6, 164261.	0.7	8
29	Dynamics of prices and consumption of unhealthy foods as a monitoring tool of the strategy against obesity in Mexico. EAI Endorsed Transactions on Pervasive Health and Technology, 2020, 5, 164218.	0.7	0
30	Statistical Learning Applied to Malware Detection. Lecture Notes on Data Engineering and Communications Technologies, 2020, , 276-294.	0.5	0
31	Backbone Distribution Network Design for the Mexican Automotive Industry. EAI/Springer Innovations in Communication and Computing, 2020, , 41-60.	0.9	0
32	A Hybrid Model for Improving the Performance of Basketball Lineups. EAI/Springer Innovations in Communication and Computing, 2020, , 61-71.	0.9	0
33	Prices of Mexican Wholesale Electricity Market: An Application of Alpha-Stable Regression. Sustainability, 2019, 11, 3185.	1.6	3
34	Liberalization of the Mexican Electricity Sector: A Study of Technical Efficiency. EAI/Springer Innovations in Communication and Computing, 2019, , 39-51.	0.9	0
35	Technical evaluation of the opening of facilities in the pharmaceutical industry: optimization to supply chain in Mexico. IFAC-PapersOnLine, 2019, 52, 2692-2697.	0.5	6
36	Structural Dynamics and disruption events in Supply Chains using Fat Tail Distributions. IFAC-PapersOnLine, 2019, 52, 2686-2691.	0.5	4

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37	The supply chain event management application: a case study. IFAC-PapersOnLine, 2019, 52, 2698-2703.	0.5	2
38	Machine Learning Applied to the Measurement of Quality in Health Services in Mexico: The Case of the Social Protection in Health System. Advances in Intelligent Systems and Computing, 2019, , 560-572.	0.5	2
39	Evaluation of inequality and technical efficiency of federal health financing for population without social security per Federal Entity, 2004â€"2012 in MÃ©xico. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 771-788.	3.3	2
40	Financial risk of increasing the follow-up period of breast cancer treatment currently covered by the Social Protection System in Health in MÃ©xico. Cost Effectiveness and Resource Allocation, 2018, 16, 9.	0.6	12
41	Evaluation of Technical Efficiency of Thermal Power Units in Mexico: Data Envelopment Analysis and Stochastic Frontiers. EAI/Springer Innovations in Communication and Computing, 2018, , 101-122.	0.9	1
42	Maternal mortality in Mexico, beyond millennial development objectives: An age-period-cohort model. PLoS ONE, 2018, 13, e0194607.	1.1	12
43	Impuestos en botanas. Su impacto en precio y consumo en MÃ©xico. Trimestre Economico, 2017, 84, 773-803.	0.1	6
44	Gasto catastrÃ³fico en salud en MÃ©xico y sus factores determinantes, 2002-2014. Gaceta Medica De Mexico, 2017, 153, 757-764.	0.5	0
45	Design of a Distribution Network Using Primal-Dual Decomposition. Mathematical Problems in Engineering, 2016, 2016, 1-9.	0.6	10
46	THE MAHALANOBIS DISTANCE BETWEEN THE HURST COEFFICIENT AND THE ALPHA-STABLE PARAMETER: AN EARLY WARNING INDICATOR OF CRISES. International Journal of Pure and Applied Mathematics, 2016, 110, .	0.2	0
47	Financial Impact of Hospital Expenditure In Chronic Diseases For Seguro Popular. Value in Health, 2015, 18, A809.	0.1	0
48	Fat Tail Model for Simulating Test Systems in Multiperiod Unit Commitment. Mathematical Problems in Engineering, 2015, 2015, 1-7.	0.6	17
49	A proposed method for design of test cases for economic analysis in power systems. Journal of Applied Research and Technology, 2015, 13, 428-434.	0.6	2
50	Short-term generation planning by primal and dual decomposition techniques. DYNA (Colombia), 2015, 82, 58-62.	0.2	2
51	Technical efficiency of thermal power units through a stochastic frontier. DYNA (Colombia), 2015, 82, 63-68.	0.2	1
52	A proposal for the supply chain design: A digitization approach. EAI Endorsed Transactions on Energy Web, 0, , 164112.	0.3	1