

# Miguel A Ortiz-Barrios

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/904817/publications.pdf>

Version: 2024-02-01

36  
papers

564  
citations

687335

13  
h-index

677123

22  
g-index

38  
all docs

38  
docs citations

38  
times ranked

435  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Compatibility and correlation of multi-attribute decision making: a case of industrial relocation. <i>Annals of Operations Research</i> , 2023, 326, 831-852.   | 4.1 | 6         |
| 2  | A Novel Integration of IF-DEMATEL and TOPSIS for the Classifier Selection Problem in Assistive Technology Adoption for People with Dementia. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1133.       | 2.6 | 7         |
| 3  | A fuzzy hybrid decision-making framework for increasing the hospital disaster preparedness: The colombian case. <i>International Journal of Disaster Risk Reduction</i> , 2022, 72, 102831.   | 3.9 | 16        |
| 4  | A multicriteria approach to integrating occupational safety & health performance and industry systems productivity in the context of aging workforce: A case study. <i>Safety Science</i> , 2022, 152, 105764.                                | 4.9 | 10        |
| 5  | A hybrid fuzzy multi-criteria decision making model for selecting a sustainable supplier of forklift filters: a case study from the mining industry. <i>Annals of Operations Research</i> , 2021, 307, 443-481.                               | 4.1 | 41        |
| 6  | Multiple criteria assessment of sustainability programs in the textile industry. <i>International Transactions in Operational Research</i> , 2021, 28, 1550-1572.   | 2.7 | 31        |
| 7  | Process Improvement Approaches for Increasing the Response of Emergency Departments against the COVID-19 Pandemic: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8814.            | 2.6 | 6         |
| 8  | A multiple criteria decision-making approach for increasing the preparedness level of sales departments against COVID-19 and future pandemics: A real-world case. <i>International Journal of Disaster Risk Reduction</i> , 2021, 62, 102411. | 3.9 | 8         |
| 9  | Multi-Criteria Analysis of Green Bonds: Hybrid Multi-Method Applications. <i>Sustainability</i> , 2021, 13, 10512.  | 3.2 | 15        |
| 10 | A FAHP-VIKOR Approach for Supporting the Selection of Tomography Equipment in LMIC Hospitals: A Case Study. <i>Lecture Notes in Computer Science</i> , 2021, , 68-82.   | 1.3 | 1         |
| 11 | Implementation of Lean Six Sigma to Lessen Waiting Times in Public Emergency Care Networks: A Case Study. <i>Lecture Notes in Computer Science</i> , 2021, , 83-93.   | 1.3 | 1         |
| 12 | Selecting the most suitable classification algorithm for supporting assistive technology adoption for people with dementia: A multicriteria framework. <i>Journal of Multi-Criteria Decision Analysis</i> , 2020, 27, 20-38.                  | 1.9 | 17        |
| 13 | A case of food supply chain management with AHP, DEMATEL, and TOPSIS. <i>Journal of Multi-Criteria Decision Analysis</i> , 2020, 27, 104-128.   | 1.9 | 56        |
| 14 | A Hybrid Fuzzy Multi-Criteria Decision-Making Model to Evaluate the Overall Performance of Public Emergency Departments: A Case Study. <i>International Journal of Information Technology and Decision Making</i> , 2020, 19, 1485-1548.      | 3.9 | 9         |
| 15 | An integrated approach for designing in-time and economically sustainable emergency care networks: A case study in the public sector. <i>PLoS ONE</i> , 2020, 15, e0234984.   | 2.5 | 9         |
| 16 | Simulated Data to Estimate Real Sensor Events—A Poisson-Regression-Based Modelling. <i>Remote Sensing</i> , 2020, 12, 771.  | 4.0 | 1         |
| 17 | Smart Product Design Process through the Implementation of a Fuzzy Kano-AHP-DEMATEL-QFD Approach. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1792.   | 2.5 | 30        |
| 18 | Evaluation of hospital disaster preparedness by a multi-criteria decision making approach: The case of Turkish hospitals. <i>International Journal of Disaster Risk Reduction</i> , 2020, 49, 101748.   | 3.9 | 51        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Complementing real datasets with simulated data: a regression-based approach. <i>Multimedia Tools and Applications</i> , 2020, 79, 34301-34324.  | 3.9 | 3         |
| 20 | Methodological Approaches to Support Process Improvement in Emergency Departments: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2664.                   | 2.6 | 28        |
| 21 | Mejora de la línea de llenado de una empresa del sector agroquímico mediante la aplicación de criterios de satisfacción CTS y el ciclo PHVA.. <i>Boletín De Innovación Logística Y Operaciones</i> , 2020, 2, 73-89. | 0.0 | 0         |
| 22 | Choosing the Most Suitable Classifier for Supporting Assistive Technology Adoption in People with Parkinson's Disease: A Fuzzy Multi-criteria Approach. <i>Lecture Notes in Computer Science</i> , 2020, , 390-405.  | 1.3 | 0         |
| 23 | Integrating Lean Six Sigma and Discrete-Event Simulation for Shortening the Appointment Lead-Time in Gynecobstetrics Departments: A Case Study. <i>Lecture Notes in Computer Science</i> , 2020, , 378-389.          | 1.3 | 1         |
| 24 | Applying Multi-phase DES Approach for Modelling the Patient Journey Through Accident and Emergency Departments. <i>Lecture Notes in Computer Science</i> , 2019, , 87-100.   | 1.3 | 4         |
| 25 | Affective recognition from EEG signals: an integrated data-mining approach. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019, 10, 3955-3974.  | 4.9 | 17        |
| 26 | An integrated approach to evaluate the risk of adverse events in hospital sector. <i>Management Decision</i> , 2018, 56, 2187-2224.  | 3.9 | 31        |
| 27 | Using Discrete-Event-Simulation for Improving Operational Efficiency in Laboratories: A Case Study in Pharmaceutical Industry. <i>Lecture Notes in Computer Science</i> , 2018, , 440-451.                           | 1.3 | 5         |
| 28 | Discrete-Event Simulation to Reduce Waiting Time in Accident and Emergency Departments: A Case Study in a District General Clinic. <i>Lecture Notes in Computer Science</i> , 2017, , 352-363.                       | 1.3 | 11        |
| 29 | Strategic hybrid approach for selecting suppliers of high-density polyethylene. <i>Journal of Multi-Criteria Decision Analysis</i> , 2017, 24, 296-316.  | 1.9 | 25        |
| 30 | Efficiency Analysis of Integrated Public Hospital Networks in Outpatient Internal Medicine. <i>Journal of Medical Systems</i> , 2017, 41, 163.   | 3.6 | 14        |
| 31 | The analytic decision-making preference model to evaluate the disaster readiness in emergency departments: The A.D.T. model. <i>Journal of Multi-Criteria Decision Analysis</i> , 2017, 24, 204-226.                 | 1.9 | 25        |
| 32 | An AHP-Topsis Integrated Model for Selecting the Most Appropriate Tomography Equipment. <i>International Journal of Information Technology and Decision Making</i> , 2016, 15, 861-885.                              | 3.9 | 63        |
| 33 | Improving the Quality of User Generated Data Sets for Activity Recognition. <i>Lecture Notes in Computer Science</i> , 2016, , 104-110.  | 1.3 | 5         |
| 34 | A Methodology for the Creation of Integrated Service Networks in Outpatient Internal Medicine. <i>Lecture Notes in Computer Science</i> , 2015, , 247-257.   | 1.3 | 10        |
| 35 | Metodología miceps para control estadístico de procesos: caso aplicado al proceso de producción de vidrio templado. <i>Prospectiva</i> , 2014, 12, 73.   | 0.2 | 3         |
| 36 | A multicriteria decision-making framework for assessing the performance of gynecobstetrics departments: a case study. <i>International Transactions in Operational Research</i> , 0, , .                             | 2.7 | 3         |