# Cesar Pedraza

## List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 22 papers | 375 citations | 1162889<br>8 h-index | 940416<br>16 g-index |
| 22 all docs | 22 docs citations | 22 times ranked | 282 citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------|
| 1 | A Deep Learning Approach for Weed Detection in Lettuce Crops Using Multispectral Images. AgriEngineering, 2020, 2, 471-488. | 1.7 | 105 |
| 2 | Damage Identification in Structural Health Monitoring: A Brief Review from its Implementation to the Use of Data-Driven Applications. Sensors, 2020, 20, 733. | 2.1 | 67 |
| 3 | Modern data sources and techniques for analysis and forecast of road accidents: A review. Journal of Traffic and Transportation Engineering (English Edition), 2020, 7, 432-446. | 2.0 | 56 |
| 4 | Cost-Effective Implementation of a Temperature Traceability System Based on Smart RFID Tags and IoT Services. Sensors, 2020, 20, 1163. | 2.1 | 41 |
| 5 | PCIV, an RFID-Based Platform for Intelligent Vehicle Monitoring. IEEE Intelligent Transportation Systems Magazine, 2018, 10, 28-35. | 2.6 | 24 |
| 6 | Extraction and Analysis of Social Networks Data to Detect Traffic Accidents. Information (Switzerland), 2022, 13, 26. | 1.7 | 14 |
| 7 | Temperature Prediction Using Multivariate Time Series Deep Learning in the Lining of an Electric Arc Furnace for Ferronickel Production. Sensors, 2021, 21, 6894. | 2.1 | 12 |
| 8 | A review of approximate computing techniques towards fault mitigation in HW/SW systems. , 2018, , . | | 11 |
| 9 | Genetic Algorithm for Boolean minimization inÂanÂFPGA cluster. Journal of Supercomputing, 2011, 58, 244-252. | 2.4 | 9 |
| 10 | Reducing Overheads in Software-based Fault Tolerant Systems using Approximate Computing. , 2019, , . | | 6 |
| 11 | Attention-Based Deep Recurrent Neural Network to Forecast the Temperature Behavior of an Electric Arc Furnace Side-Wall. Sensors, 2022, 22, 1418. | 2.1 | 6 |
| 12 | MiFIT: A Fault Injection Tool to Validate the Reliability of Microprocessors. , 2019, , . | | 4 |
| 13 | A Data Cleaning Approach for a Structural Health Monitoring System in a 75 MW Electric Arc Ferronickel Furnace. Engineering Proceedings, 2020, 2, 21. | 0.4 | 4 |
| 14 | RFID framework for intelligent traffic monitoring. , 2016, , . | | 3 |
| 15 | FTxAC: Leveraging the Approximate Computing Paradigm in the Design of Fault-Tolerant Embedded Systems to Reduce Overheads. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 797-810. | 3.2 | 3 |
| 16 | Deep Learning for the Prediction of Temperature Time Series in the Lining of an Electric Arc Furnace for Structural Health Monitoring at Cerro Matoso S.A. (CMSA). , 2020, 2, . | | 3 |
| 17 | Using Approximate Computing and Selective Hardening for the Reduction of Overheads in the Design of Radiation-Induced Fault-Tolerant Systems. Electronics (Switzerland), 2019, 8, 1539. | 1.8 | 2 |
| 18 | Parallel algorithm for evolvable-based boolean synthesis on GPUs. Analog Integrated Circuits and Signal Processing, 2013, 76, 335-342. | 0.9 | 1 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | Use of bluetooth technology for applications of intelligent transportation system. , 2016, , . | | 1 |
| 20 | Locating Ships Using Time Reversal and Matrix Pencil Method by Their Underwater Acoustic Signals. Sensors, 2021, 21, 5065. | 2.1 | 1 |
| 21 | Reducción de los tiempos de cómputo de la Migración Sísmica usando FPGAs y GPGPUs: Un artículo de revisión. Ingeniería Y Ciencia, 2013, 9, 261-293. | 0.3 | 1 |
| 22 | An Artificial Vision Based Method for Vehicle Detection and Classification in Urban Traffic. Lecture Notes in Computer Science, 2019, , 394-403. | 1.0 | 1 |