# Antonio Javier BarragÃ¡n

List of Publications by Year
in descending order

| 22 papers | 343 citations | 840119<br>11 h-index | 839053<br>18 g-index |
|:---:|:---:|:---:|:---:|
| 24 all docs | 24 docs citations | 24 times ranked | 333 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | A high-flexibility DC load for fuel cell and solar arrays power sources based on DC–DC converters. Applied Energy, 2011, 88, 1690-1702. | 5.1 | 56 |
| 2 | A methodology to design stable nonlinear fuzzy control systems. Fuzzy Sets and Systems, 2005, 154, 157-181. | 1.6 | 36 |
| 3 | A General and Formal Methodology to Design Stable Nonlinear Fuzzy Control Systems. IEEE Transactions on Fuzzy Systems, 2009, 17, 1081-1091. | 6.5 | 32 |
| 4 | A general methodology for online TS fuzzy modeling by the extended Kalman filter. Applied Soft Computing Journal, 2014, 18, 277-289. | 4.1 | 32 |
| 5 | Integration of Sensors, Controllers and Instruments Using a Novel OPC Architecture. Sensors, 2017, 17, 1512. | 2.1 | 30 |
| 6 | Fuel Cell Output Current Prediction with a Hybrid Intelligent System. Complexity, 2019, 2019, 1-10. | 0.9 | 29 |
| 7 | Sistema híbrido inteligente para la predicción de la tensión de una pila de combustible basada en hidrógeno. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2019, 16, 492. | 0.6 | 29 |
| 8 | Variable Structure Control with chattering elimination and guaranteed stability for a generalized T-S model. Applied Soft Computing Journal, 2013, 13, 4802-4812. | 4.1 | 15 |
| 9 | Theoretical Assessment of DC/DC Power Converters' Basic Topologies. A Common Static Model. Applied Sciences (Switzerland), 2018, 8, 19. | 1.3 | 12 |
| 10 | Chattering-free fuzzy variable structure control for multivariable nonlinear systems. Applied Soft Computing Journal, 2016, 39, 165-187. | 4.1 | 11 |
| 11 | Iterative Fuzzy Modeling of Hydrogen Fuel Cells by the Extended Kalman Filter. IEEE Access, 2020, 8, 180280-180294. | 2.6 | 11 |
| 12 | Fuzzy optimal control for double inverted pendulum. , 2012, , . | | 8 |
| 13 | Fuel Cell Hybrid Model for Predicting Hydrogen Inflow through Energy Demand. Electronics (Switzerland), 2019, 8, 1325. | 1.8 | 6 |
| 14 | Hybrid Intelligent Modelling in Renewable Energy Sources-Based Microgrid. A Variable Estimation of the Hydrogen Subsystem Oriented to the Energy Management Strategy. Sustainability, 2020, 12, 10566. | 1.6 | 4 |
| 15 | A formal methodology for the analysis and design of nonlinear fuzzy control systems. , 2010, , . | | 3 |
| 16 | Suboptimal Recursive Methodology for Takagi-Sugeno Fuzzy Models Identification. Atlantis Computational Intelligence Systems, 2014, , 25-47. | 0.5 | 3 |
| 17 | About Extracting Dynamic Information of Unknown Complex Systems by Neural Networks. Complexity, 2018, 2018, 1-12. | 0.9 | 2 |
| 18 | New Concepts for the Estimation of Takagi-Sugeno Model Based on Extended Kalman Filter. Atlantis Computational Intelligence Systems, 2014, , 3-24. | 0.5 | 2 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Comparative Analysis of Robustness and Tracking Efficiency of Maximum Power Point in Photovoltaic Generators, Using Estimation of the Maximum Power Point Resistance by Irradiance Measurement Processing. Sensors, 2020, 20, 7247. | 2.1 | 1 |
| 20 | Stable Fuzzy Control System by Design. Atlantis Computational Intelligence Systems, 2014, , 69-94. | 0.5 | 1 |
| 21 | The association of self-determination with student engagement moderated by teacher scaffolding in a Project-Based Learning (PBL) case. Educational Studies, 0, , 1-22. | 1.4 | 1 |
| 22 | Education in Sustainability and Promotion of Scientific-Technical Vocations in Pre-university Students Through the Construction of a Solar Vehicle. , 2020, , 603-610. |  | 0 |