

Joan Colomer Llinas

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

724
citations

13
h-index

26
g-index

58
ext. papers

852
ext. citations

3.3
avg, IF

4.13
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 51 | Lessons in urban monitoring taken from sustainable and livable cities to better address the Smart Cities initiative. <i>Technological Forecasting and Social Change</i> , 2015 , 90, 611-622 | 9.5 | 236 |
| 50 | Short-term load forecasting in a non-residential building contrasting models and attributes. <i>Energy and Buildings</i> , 2015 , 92, 322-330 | 7 | 112 |
| 49 | Development and Implementation of a Real-Time Control System for Nitrogen Removal Using OUR and ORP as End Points. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 3367-3373 | 3.9 | 52 |
| 48 | Identifying services for short-term load forecasting using data driven models in a Smart City platform. <i>Sustainable Cities and Society</i> , 2017 , 28, 108-117 | 10.1 | 43 |
| 47 | Combining multiway principal component analysis (MPCA) and clustering for efficient data mining of historical data sets of SBR processes. <i>Water Science and Technology</i> , 2008 , 57, 1659-66 | 2.2 | 37 |
| 46 | Short-term load forecasting for non-residential buildings contrasting artificial occupancy attributes. <i>Energy and Buildings</i> , 2016 , 130, 519-531 | 7 | 37 |
| 45 | Transmission delays in residual computation. <i>IET Control Theory and Applications</i> , 2007 , 1, 1471-1476 | 2.5 | 21 |
| 44 | An on-line optimisation of a SBR cycle for carbon and nitrogen removal based on on-line pH and Our: the role of dissolved oxygen control. <i>Water Science and Technology</i> , 2006 , 53, 171-8 | 2.2 | 19 |
| 43 | Predicting aerodynamic instabilities in a blast furnace. <i>Engineering Applications of Artificial Intelligence</i> , 2006 , 19, 103-111 | 7.2 | 18 |
| 42 | Donor Specific Antibodies are not only directed against HLA-DR: Minding your Ps and Qs. <i>Human Immunology</i> , 2016 , 77, 1092-1100 | 2.3 | 18 |
| 41 | Principal Component Analysis for Monitoring Electrical Consumption of Academic Buildings. <i>Energy Procedia</i> , 2014 , 62, 555-564 | 2.3 | 13 |
| 40 | Classification of sags gathered in distribution substations based on multiway principal component analysis. <i>Electric Power Systems Research</i> , 2009 , 79, 144-151 | 3.5 | 13 |
| 39 | Multivariate Principal Component Analysis and Case-Based Reasoning for monitoring, fault detection and diagnosis in a WWTP. <i>Water Science and Technology</i> , 2011 , 64, 1661-7 | 2.2 | 13 |
| 38 | Multivariate statistical monitoring of buildings. Case study: Energy monitoring of a social housing building. <i>Energy and Buildings</i> , 2015 , 103, 338-351 | 7 | 9 |
| 37 | N-dimensional extension of unfold-PCA for granular systems monitoring. <i>Engineering Applications of Artificial Intelligence</i> , 2018 , 71, 113-124 | 7.2 | 9 |
| 36 | Process diagnosis based on qualitative trend similarities using a sequence matching algorithm. <i>Journal of Process Control</i> , 2014 , 24, 1412-1424 | 3.9 | 8 |
| 35 | Compatibility of municipal services based on service similarity. <i>Cities</i> , 2016 , 59, 40-47 | 5.6 | 6 |

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|----|---|------|---|
| 34 | A qualitative/quantitative representation of signals for supervision of continuous systems 1997 , | | 6 |
| 33 | QSSI: A NEW SIMILARITY INDEX FOR QUALITATIVE TIME SERIES. APPLICATION TO CLASSIFY VOLTAGE SAGS. <i>Applied Artificial Intelligence</i> , 2011 , 25, 141-162 | 2.3 | 5 |
| 32 | Case based reasoning methodology for supervision 2001 , | | 5 |
| 31 | A Qualitative Case-Based Approach for Situation Assessment in Dynamic Systems. Application in a Two Tank System. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 669-674 | | 4 |
| 30 | Expert supervision based on cases | | 4 |
| 29 | Extending a Fault Dictionary Towards a Case Based Reasoning System for Linear Electronic Analog Circuits Diagnosis. <i>Lecture Notes in Computer Science</i> , 2004 , 748-762 | 0.9 | 4 |
| 28 | A comparison study on space-use analysis techniques and proposal of a novel method for determining space needs in public facilities. <i>Sustainable Cities and Society</i> , 2018 , 39, 326-334 | 10.1 | 3 |
| 27 | Qualitative estimation of SBR biological nutrient removal performance for wastewater treatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2013 , 88, 1305-1313 | 3.5 | 3 |
| 26 | On-line oxygen uptake rate as a new tool for monitoring and controlling the SBR process. <i>Computer Aided Chemical Engineering</i> , 2005 , 20, 1291-1296 | 0.6 | 3 |
| 25 | QUALITATIVE REPRESENTATION OF PROCESS TRENDS FOR SITUATION ASSESSMENT BASED ON CASES. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2002 , 35, 103-108 | | 3 |
| 24 | A family of FIR differentiators based on a polynomial least squares estimation 2001 , | | 3 |
| 23 | Integrated Unfold-PCA Monitoring Application for Smart Buildings: An AHU Application Example. <i>Energies</i> , 2021 , 14, 235 | 3.1 | 3 |
| 22 | A hybrid method for sag source location in power network 2007 , | | 2 |
| 21 | Multway Principal Component Analysis (MPCA) for Upstream/Downstream Classification of Voltage Sags Gathered in Distribution Substations. <i>Studies in Computational Intelligence</i> , 2008 , 297-312 | 0.8 | 2 |
| 20 | Influence of Scaling and Unfolding in PCA Based Monitoring of Nutrient Removing Batch Process 2007 , 114-119 | | 2 |
| 19 | | | 2 |
| 18 | OFF LINE DIAGNOSIS OF ARIANE FLIGHTS USING PCA. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2007 , 40, 704-708 | | 1 |
| 17 | SUPERVISION OF HETEROGENEOUS CONTROLLERS FOR A MOBILE ROBOT. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2002 , 35, 259-264 | | 1 |

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| 16 | Classification of Voltage Sags Based on MPCA Models. <i>Lecture Notes in Computer Science</i> , 2007 , 362-369 | 0.9 | 1 |
| 15 | Case Base Management for Analog Circuits Diagnosis Improvement. <i>Lecture Notes in Computer Science</i> , 2003 , 437-451 | 0.9 | 1 |
| 14 | Decision Support Framework for Space-Use Efficiency and Arrangement of Public Services. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2020 , 146, 04019023 | 2.2 | 1 |
| 13 | Influence of occupant presence patterns on energy consumption and its relation to comfort: a case study based on sensor and crowd-sensed data.. <i>Energy, Sustainability and Society</i> , 2022 , 12, 13 | 3.9 | 1 |
| 12 | Granularity determination of activated sludge through on-line profiles by means of case-based reasoning. <i>Water Science and Technology</i> , 2014 , 69, 760-7 | 2.2 | |
| 11 | Minimising False Alarms Caused by Communication Delays in Networked Systems 2007 , 156-161 | | |
| 10 | INFLUENCE OF SCALING AND UNFOLDING IN PCA BASED MONITORING OF NUTRIENT REMOVING BATCH PROCESS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 114-119 | | |
| 9 | INFLUENCE OF NETWORK DELAYS IN RESIDUAL COMPUTATION. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 221-226 | | |
| 8 | CASE BASED APPROACH FOR SUPERVISION. APPLICATION TO PID CONTROLLERS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2002 , 35, 97-102 | | |
| 7 | Monitoring a Sequencing Batch Reactor for the Treatment of Wastewater by a Combination of Multivariate Statistical Process Control and a Classification Technique 2006 , 263-282 | | |
| 6 | Supervision of Robot Control. <i>Lecture Notes in Computer Science</i> , 2002 , 337-342 | 0.9 | |
| 5 | Hybrid Approach Based on Temporal Representation and Classification Techniques Used to Determine Unstable Conditions in a Blast Furnace. <i>Lecture Notes in Computer Science</i> , 2004 , 404-414 | 0.9 | |
| 4 | Expert diagnostic using qualitative data and rule-based inferential reasoning. <i>Lecture Notes in Computer Science</i> , 1998 , 200-209 | 0.9 | |
| 3 | Public Facilities Driven by Service Demand for Space. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 39-50 | 0.4 | |
| 2 | User-Centered Arrangement of Public Services. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 11-21 | 0.4 | |
| 1 | Low Voltage Grid Operation Scheduling Considering Forecast Uncertainty. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 493-502 | 0.4 | |