

Joan Colomer Llinas

List of Publications by Year in Descending Order

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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	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
50	Integrated Unfold-PCA Monitoring Application for Smart Buildings: An AHU Application Example. <i>Energies</i> , 2021 , 14, 235	3.1	3
49	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
48	Low Voltage Grid Operation Scheduling Considering Forecast Uncertainty. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 493-502	0.4	
47	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
46	N-dimensional extension of unfold-PCA for granular systems monitoring. <i>Engineering Applications of Artificial Intelligence</i> , 2018 , 71, 113-124	7.2	9
45	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
44	User-Centered Arrangement of Public Services. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 11-21	0.4	
43	Compatibility of municipal services based on service similarity. <i>Cities</i> , 2016 , 59, 40-47	5.6	6
42	Public Facilities Driven by Service Demand for Space. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 39-50	0.4	
41	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
40	Short-term load forecasting for non-residential buildings contrasting artificial occupancy attributes. <i>Energy and Buildings</i> , 2016 , 130, 519-531	7	37
39	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
38	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
37	Short-term load forecasting in a non-residential building contrasting models and attributes. <i>Energy and Buildings</i> , 2015 , 92, 322-330	7	112
36	Principal Component Analysis for Monitoring Electrical Consumption of Academic Buildings. <i>Energy Procedia</i> , 2014 , 62, 555-564	2.3	13
35	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	

34	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
33	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
32	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
31	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
30	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
29	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
28	Multiway 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
27	Minimising False Alarms Caused by Communication Delays in Networked Systems 2007 , 156-161		
26	OFF LINE DIAGNOSIS OF ARIANE FLIGHTS USING PCA. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2007 , 40, 704-708		1
25	Transmission delays in residual computation. <i>IET Control Theory and Applications</i> , 2007 , 1, 1471-1476	2.5	21
24	A hybrid method for sag source location in power network 2007 ,		2
23	Classification of Voltage Sags Based on MPCA Models. <i>Lecture Notes in Computer Science</i> , 2007 , 362-369	0.9	1
22	Influence of Scaling and Unfolding in PCA Based Monitoring of Nutrient Removing Batch Process 2007 , 114-119		2
21	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		
20	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
19	Predicting aerodynamic instabilities in a blast furnace. <i>Engineering Applications of Artificial Intelligence</i> , 2006 , 19, 103-111	7.2	18
18	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		
17	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

16	INFLUENCE OF NETWORK DELAYS IN RESIDUAL COMPUTATION. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 221-226		
15	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
14	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	
13	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
12	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
11	Case Base Management for Analog Circuits Diagnosis Improvement. <i>Lecture Notes in Computer Science</i> , 2003 , 437-451	0.9	1
10	SUPERVISION OF HETEROGENEOUS CONTROLLERS FOR A MOBILE ROBOT. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2002 , 35, 259-264		1
9	CASE BASED APPROACH FOR SUPERVISION. APPLICATION TO PID CONTROLLERS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2002 , 35, 97-102		
8	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
7	Supervision of Robot Control. <i>Lecture Notes in Computer Science</i> , 2002 , 337-342	0.9	
6	A family of FIR differentiators based on a polynomial least squares estimation 2001 ,		3
5	Case based reasoning methodology for supervision 2001 ,		5
4	Expert diagnostic using qualitative data and rule-based inferential reasoning. <i>Lecture Notes in Computer Science</i> , 1998 , 200-209	0.9	
3	A qualitative/quantitative representation of signals for supervision of continuous systems 1997 ,		6
2	Expert supervision based on cases		4
1			2