Francesc Solsona

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Managing quality, supplier selection, and coldâ€storage contracts in agrifood supply chain through stochastic optimization. International Transactions in Operational Research, 2023, 30, 1901-1930.	2.7	7
2	Automated detection of COVID-19 cough. Biomedical Signal Processing and Control, 2022, 71, 103175.	5.7	56
3	A Machine-Learning Model for Lung Age Forecasting by Analyzing Exhalations. Sensors, 2022, 22, 1106.	3.8	3
4	Detecting Bulbar Involvement in Patients with Amyotrophic Lateral Sclerosis Based on Phonatory and Time-Frequency Features. Sensors, 2022, 22, 1137.	3.8	11
5	A queuing theory model for fog computing. Journal of Supercomputing, 2022, 78, 11138-11155.	3.6	16
6	Autoscaling Pods on an On-Premise Kubernetes Infrastructure QoS-Aware. IEEE Access, 2022, 10, 33083-33094.	4.2	11
7	User behaviour models to forecast electricity consumption of residential customers based on smart metering data. Energy Reports, 2022, 8, 3680-3691.	5.1	23
8	Use of Multiple Correspondence Analysis and K-means to Explore Associations Between Risk Factors and Likelihood of Colorectal Cancer: Cross-sectional Study. Journal of Medical Internet Research, 2022, 24, e29056.	4.3	6
9	CatDetect, a framework for detecting Catalan tweets. Multimedia Tools and Applications, 2021, 80, 10657-10677.	3.9	Ο
10	Detection of Bulbar Involvement in Patients With Amyotrophic Lateral Sclerosis by Machine Learning Voice Analysis: Diagnostic Decision Support Development Study. JMIR Medical Informatics, 2021, 9, e21331.	2.6	10
11	The Use of Multiple Correspondence Analysis to Explore Associations Between Categories of Qualitative Variables and Cancer Incidence. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3659-3667.	6.3	9
12	A new computational method to improve the synchronization of PLLs. International Transactions on Electrical Energy Systems, 2020, 30, e12373.	1.9	2
13	EasyModel 1.1: User-friendly Stochastic and Deterministic Simulations for Systems Biology Models. , 2020, , .		Ο
14	EasyModel: user-friendly tool for building and analysis of simple mathematical models in systems biology. Bioinformatics, 2019, 36, 976-977.	4.1	1
15	CatSent: a Catalan sentiment analysis website. Multimedia Tools and Applications, 2019, 78, 28137-28155.	3.9	4
16	CART, a Decision SLA Model for SaaS Providers to Keep QoS Regarding Availability and Performance. IEEE Access, 2019, 7, 38195-38204.	4.2	11
17	A scalable parallel implementation of the Cluster Benders Decomposition algorithm. Cluster Computing, 2019, 22, 877-886.	5.0	1
18	MetReS, an Efficient Database for Genomic Applications. Journal of Computational Biology, 2018, 25, 200-213	1.6	1

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19	EMPOWERING, a Smart Big Data Framework for Sustainable Electricity Suppliers. IEEE Access, 2018, 6, 71132-71142.	4.2	7
20	Automatic Methods for Carotid Contrast-Enhanced Ultrasound Imaging Quantification of Adventitial Vasa Vasorum. Ultrasound in Medicine and Biology, 2018, 44, 2780-2792.	1.5	2
21	Rare Disease Discovery: An Optimized Disease Ranking System. IEEE Transactions on Industrial Informatics, 2017, 13, 1184-1192.	11.3	11
22	TControl: A mobile app to follow up tobacco-quitting patients. Computer Methods and Programs in Biomedicine, 2017, 142, 81-89.	4.7	10
23	Characterization of the CPAP-treated patient population in Catalonia. PLoS ONE, 2017, 12, e0185191.	2.5	20
24	BPcontrol. Applied Clinical Informatics, 2016, 07, 1120-1134.	1.7	10
25	FingerScanner: Embedding a Fingerprint Scanner in a Raspberry Pi. Sensors, 2016, 16, 220.	3.8	8
26	A production planning model considering uncertain demand using two-stage stochastic programming in a fresh vegetable supply chain context. SpringerPlus, 2016, 5, 839.	1.2	5
27	Identification of lineâ€specific strategies for improving carotenoid production in synthetic maize through dataâ€driven mathematical modeling. Plant Journal, 2016, 87, 455-471.	5.7	9
28	Computer-assisted initial diagnosis of rare diseases. PeerJ, 2016, 4, e2211.	2.0	24
29	CheNER: a tool for the identification of chemical entities and their classes in biomedical literature. Journal of Cheminformatics, 2015, 7, S15.	6.1	9
30	H-PC: a cloud computing tool for supervising hypertensive patients. Journal of Supercomputing, 2015, 71, 591-612.	3.6	11
31	An SLA and power-saving scheduling consolidation strategy for shared and heterogeneous clouds. Journal of Supercomputing, 2015, 71, 1817-1832.	3.6	10
32	DisCoP: A P2P Framework for Managing and Searching Computing Markets. Journal of Grid Computing, 2015, 13, 115-137.	3.9	3
33	Design of a P2P network that protects users' privacy in front of Web Search Engines. Computer Communications, 2015, 57, 37-49.	5.1	3
34	A Green Strategy for Federated and Heterogeneous Clouds with Communicating Workloads. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	3
35	Database Constraints Applied to Metabolic Pathway Reconstruction Tools. Scientific World Journal, The, 2014, 2014, 1-12.	2.1	1
36	CheNER: chemical named entity recognizer. Bioinformatics, 2014, 30, 1039-1040.	4.1	15

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37	MetReS: A Metabolic Reconstruction Database for Cloud Computing. , 2014, , .		0
38	MPI-based implementation of an enhanced algorithm to solve the LPN problem in a memory-constrained environment. Parallel Computing, 2014, 40, 100-112.	2.1	3
39	DisCoP2P: an efficient P2P computing overlay. Journal of Supercomputing, 2014, 68, 557-573.	3.6	1
40	PSysCal: a parallel tool for calibration of ecosystem models. Cluster Computing, 2014, 17, 271-279.	5.0	4
41	A queuing theory model for cloud computing. Journal of Supercomputing, 2014, 69, 492-507.	3.6	161
42	S-PC: An e-treatment application for management of smoke-quitting patients. Computer Methods and Programs in Biomedicine, 2014, 115, 33-45.	4.7	11
43	SLA-Aware Load Balancing in a Web-Based Cloud System over OpenStack. Lecture Notes in Computer Science, 2014, , 281-293.	1.3	8
44	Biblio-MetReS for user-friendly mining of genes and biological processes in scientific documents. PeerJ, 2014, 2, e276.	2.0	4
45	The cloud paradigm applied to e-Health. BMC Medical Informatics and Decision Making, 2013, 13, 35.	3.0	41
46	C2MS: Dynamic Monitoring and Management of Cloud Infrastructures. , 2013, , .		4
47	Cooperative scheduling mechanism for large-scale peer-to-peer computing systems. Journal of Network and Computer Applications, 2013, 36, 1620-1631.	9.1	14
48	State-based predictions with self-correction on Enterprise Desktop Grid environments. Journal of Parallel and Distributed Computing, 2013, 73, 777-789.	4.1	10
49	Analyzing locality over a P2P computing architecture. Journal of Network and Computer Applications, 2013, 36, 1610-1619.	9.1	12
50	P-Biblio-MetReS, a parallel data mining tool for the reconstruction of molecular networks. , 2013, , .		0
51	Incentive mechanism for scheduling jobs in a peer-to-peer computing system. Simulation Modelling Practice and Theory, 2012, 25, 36-55.	3.8	5
52	A Resilient Architecture Oriented to P2P Computing. , 2011, , .		1
53	Mapping MMOFPS over heterogeneous distributed systems. Journal of Supercomputing, 2011, 58, 341-348.	3.6	3
54	On/Off-Line Prediction Applied to Job Scheduling on Non-Dedicated NOWs. Journal of Computer Science and Technology, 2011, 26, 99-116.	1.5	2

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55	A user-friendly web portal for T-Coffee on supercomputers. BMC Bioinformatics, 2011, 12, 150.	2.6	5
56	Biblio-MetReS: A bibliometric network reconstruction application and server. BMC Bioinformatics, 2011, 12, 387.	2.6	11
57	A Computing Resource Discovery Mechanism over a P2P Tree Topology. Lecture Notes in Computer Science, 2011, , 366-379.	1.3	5
58	Combining Hilbert SFC and Bruijn Graphs for Searching Computing Markets in a P2P System. Lecture Notes in Computer Science, 2010, , 471-483.	1.3	3
59	A Formal Credit-Based Incentive Model for Sharing Computer Resources. Lecture Notes in Computer Science, 2010, , 497-509.	1.3	1
60	A New Reliable Proposal to Manage Dynamic Resources in a Computing P2P System. , 2009, , .		2
61	A New Credit-Based Incentive Mechanism for P2P Scheduling with User Modeling. , 2009, , .		6
62	Enhancing Prediction on Non-dedicated Clusters. Lecture Notes in Computer Science, 2008, , 233-242.	1.3	0
63	Cooperating CoScheduling: A Coscheduling Proposal Aimed at Non-Dedicated Heterogeneous NOWs. Journal of Computer Science and Technology, 2007, 22, 695-710.	1.5	3
64	Using Simulation, Historical and Hybrid Estimation Systems for Enhacing Job Scheduling on NOWs. , 2006, , .		1
65	CISNE: A New Integral Approach for Scheduling Parallel Applications on Non-dedicated Clusters. Lecture Notes in Computer Science, 2005, , 220-230.	1.3	11
66	A Space and Time Sharing Scheduling Approach for PVM Non-dedicated Clusters. Lecture Notes in Computer Science, 2005, , 379-387.	1.3	3
67	Coscheduling and Multiprogramming Level in a Non-dedicated Cluster. Lecture Notes in Computer Science, 2004, , 327-336.	1.3	8
68	Cooperating Coscheduling in a Non-dedicated Cluster. Lecture Notes in Computer Science, 2003, , 212-217.	1.3	5
69	Minimizing Paging Tradeoffs Applying Coscheduling Techniques in a Linux Cluster. Lecture Notes in Computer Science, 2003, , 593-607.	1.3	1
70	Multiprogramming Level of PVM Jobs in a Non-dedicated Linux NOW. Lecture Notes in Computer Science, 2003, , 577-585.	1.3	1
71	Adjusting Time Slices to Apply Coscheduling Techniques in a Non-dedicated NOW. Lecture Notes in Computer Science, 2002, , 234-239.	1.3	2
72	Adjusting the Lengths of Time Slices when Scheduling PVM Jobs with High Memory Requirements. Lecture Notes in Computer Science, 2002, , 156-164.	1.3	1

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73	Predictive Coscheduling Implementation in a Non-dedicated Linux Cluster. Lecture Notes in Computer Science, 2001, , 732-742.	1.3	5
74	MemTo: A Memory Monitoring Tool for a Linux Cluster. Lecture Notes in Computer Science, 2001, , 225-232.	1.3	1
75	Coscheduling under Memory Constraints in a NOW Environment. Lecture Notes in Computer Science, 2001, , 41-65.	1.3	6
76	Implementing and Analysing an Effective Explicit Coscheduling Algorithm on a NOW. Lecture Notes in Computer Science, 2001, , 75-88.	1.3	2
77	Implementing Explicit and Implicit Coscheduling in a PVM Environment. Lecture Notes in Computer Science, 2000, , 1165-1170.	1.3	4
78	Monito: A Communication Monitoring Tool for a PVM-Linux Environment. Lecture Notes in Computer Science, 2000, , 233-241.	1.3	0