

Juan Carlos Burguillo

List of Publications by Year in descending order

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120
papers

1,862
citations

759055

12
h-index

315616

38
g-index

127
all docs

127
docs citations

127
times ranked

1737
citing authors

#	ARTICLE	IF	CITATIONS
1	Explanation Plug-In for Stream-Based Collaborative Filtering. Lecture Notes in Networks and Systems, 2022, , 42-51.	0.5	3
2	Probabilistic memory-one strategies to dominate the iterated Prisoner's Dilemma over networks. Simulation Modelling Practice and Theory, 2022, , 102582.	2.2	0
3	Responsible processing of crowdsourced tourism data. Journal of Sustainable Tourism, 2021, 29, 774-794.	5.7	12
4	Crowdsourced Data Stream Mining for Tourism Recommendation. Advances in Intelligent Systems and Computing, 2021, , 260-269.	0.5	1
5	Modeling behavioral experiments on uncertainty and cooperation with population-based reinforcement learning. Simulation Modelling Practice and Theory, 2021, 109, 102299.	2.2	3
6	Stream-based explainable recommendations via blockchain profiling. Integrated Computer-Aided Engineering, 2021, , 1-17.	2.5	6
7	Timing Uncertainty in Collective Risk Dilemmas Encourages Group Reciprocation and Polarization. IScience, 2020, 23, 101752.	1.9	28
8	A 2020 perspective on "Online guest profiling and hotel recommendation": Reliability, Scalability, Traceability and Transparency. Electronic Commerce Research and Applications, 2020, 40, 100957.	2.5	5
9	A 2020 perspective on "Scalable modelling and recommendation using wiki-based crowdsourced repositories": Fairness, scalability, and real-time recommendation. Electronic Commerce Research and Applications, 2020, 40, 100951.	2.5	4
10	Impact of Trust and Reputation Based Brokerage on the CloudAnchor Platform. Lecture Notes in Computer Science, 2020, , 303-314.	1.0	2
11	Analysis and prediction of hotel ratings from crowdsourced data. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2019, 9, e1296.	4.6	6
12	Incremental Hotel Recommendation with Inter-guest Trust and Similarity Post-filtering. Advances in Intelligent Systems and Computing, 2019, , 262-272.	0.5	7
13	Forecasting Cryptocurrency Value by Sentiment Analysis: An HPC-Oriented Survey of the State-of-the-Art in the Cloud Era. Lecture Notes in Computer Science, 2019, , 325-349.	1.0	4
14	On-line guest profiling and hotel recommendation. Electronic Commerce Research and Applications, 2019, 34, 100832.	2.5	19
15	Scalable modelling and recommendation using wiki-based crowdsourced repositories. Electronic Commerce Research and Applications, 2019, 33, 100817.	2.5	13
16	Towards Large-Scale Optimization of Iterated Prisoner Dilemma Strategies. Lecture Notes in Computer Science, 2019, , 167-183.	1.0	0
17	Trust and Reputation Modelling for Tourism Recommendations Supported by Crowdsourcing. Advances in Intelligent Systems and Computing, 2018, , 829-838.	0.5	6
18	Flexible asynchronous simulation of iterated prisoner's dilemma based on actor model. Simulation Modelling Practice and Theory, 2018, 83, 75-92.	2.2	6

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19	Personalised Dynamic Viewer Profiling for Streamed Data. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 501-510.	0.5	1
20	Delay-Aware Optimization Framework for Proportional Flow Delay Differentiation in Millimeter-Wave Backhaul Cellular Networks. <i>IEEE Transactions on Communications</i> , 2018, 66, 2037-2051.	4.9	12
21	Ownership and Trade in Complex Networks. <i>Emergence, Complexity and Computation</i> , 2018, , 267-292.	0.2	0
22	Promoting Indirect Reciprocity Using Coalitions. <i>Emergence, Complexity and Computation</i> , 2018, , 293-321.	0.2	0
23	A Coalitional Game of Life. <i>Emergence, Complexity and Computation</i> , 2018, , 323-338.	0.2	0
24	Complex Systems. <i>Emergence, Complexity and Computation</i> , 2018, , 11-34.	0.2	0
25	Multi-agent Systems. <i>Emergence, Complexity and Computation</i> , 2018, , 69-87.	0.2	3
26	Self-organization. <i>Emergence, Complexity and Computation</i> , 2018, , 89-100.	0.2	4
27	Optimization Models with Coalitional Cellular Automata. <i>Emergence, Complexity and Computation</i> , 2018, , 139-169.	0.2	0
28	Time Series Prediction Using Coalitions and Self-organizing Maps. <i>Emergence, Complexity and Computation</i> , 2018, , 171-205.	0.2	0
29	Coalitions of Electric Vehicles in Smart Grids. <i>Emergence, Complexity and Computation</i> , 2018, , 207-263.	0.2	2
30	Context-aware tourism technologies. <i>Knowledge Engineering Review</i> , 2018, 33, .	2.1	7
31	Scalable data analytics using crowdsourced repositories and streams. <i>Journal of Parallel and Distributed Computing</i> , 2018, 122, 1-10.	2.7	10
32	Semantic Profiling and Destination Recommendation based on Crowd-sourced Tourist Reviews. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 140-147.	0.5	2
33	Self-organizing Coalitions for Managing Complexity. <i>Emergence, Complexity and Computation</i> , 2018, , .	0.2	5
34	Finding the Most Influential Parameters of Coalitions in a PSO-CO Algorithm. <i>Communications in Computer and Information Science</i> , 2018, , 284-296.	0.4	0
35	Topology-based analysis of self-organizing maps for time series prediction. <i>Soft Computing</i> , 2017, 21, 1601-1618.	2.1	6
36	Trust-based Modelling of Multi-criteria Crowdsourced Data. <i>Data Science and Engineering</i> , 2017, 2, 199-209.	4.6	13

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37	Prediction and Analysis of Hotel Ratings from Crowd-Sourced Data. Advances in Intelligent Systems and Computing, 2017, , 493-502.	0.5	10
38	Personalised fading for stream data. , 2017, , .		5
39	Profiling And Rating Prediction From Multi-Criteria Crowd-Sourced Hotel Ratings. , 2017, , .		4
40	Emerging Cooperation in N-Person Iterated Prisoner's Dilemma over Dynamic Complex Networks. Computing and Informatics, 2017, 36, 493-516.	0.4	10
41	Heterogeneous millimeter-wave/micro-wave architecture for 5G wireless access and backhauling. , 2016, , .		7
42	Analysis and Visualisation of Crowd-sourced Tourism Data. , 2016, , .		8
43	Collaborative Filtering with Semantic Neighbour Discovery. Lecture Notes in Computer Science, 2016, , 273-284.	1.0	0
44	A Study for Self-adapting Urban Traffic Control. Lecture Notes in Computer Science, 2016, , 63-74.	1.0	2
45	NLAST: A natural language assistant for students. , 2016, , .		12
46	Federated IaaS Resource Brokerage. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2016, , 252-280.	0.5	3
47	CloudAnchor: Agent-Based Brokerage of Federated Cloud Resources. Lecture Notes in Computer Science, 2016, , 207-218.	1.0	5
48	A multi-agent brokerage platform for media content recommendation. International Journal of Applied Mathematics and Computer Science, 2015, 25, 513-527.	1.5	10
49	Exploiting Context-Awareness for Secure Spectrum Trading in Multi-Hop Cognitive Cellular Networks. , 2015, , .		7
50	A self-adapting similarity-based coalition formation approach for plug-in electric vehicles in smart grids. Multiagent and Grid Systems, 2015, 11, 167-187.	0.5	5
51	A Microeconomic Approach to Data Trading in User Provided Networks. , 2015, , .		3
52	Using reputation and adaptive coalitions to support collaboration in competitive environments. Engineering Applications of Artificial Intelligence, 2015, 45, 325-338.	4.3	9
53	On the Analysis of Scheduling in Dynamic Duplex Multihop mmWave Cellular Systems. IEEE Transactions on Wireless Communications, 2015, 14, 6028-6042.	6.1	46
54	Fostering Cooperation through Dynamic Coalition Formation and Partner Switching. ACM Transactions on Autonomous and Adaptive Systems, 2014, 9, 1-31.	0.4	11

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55	Using self-organizing maps with complex network topologies and coalitions for time series prediction. <i>Soft Computing</i> , 2014, 18, 695-705.	2.1	9
56	URBANCONTEXT: A MANAGEMENT MODEL FOR PERVASIVE ENVIRONMENTS IN USER-ORIENTED URBAN COMPUTING. <i>Computer Science</i> , 2014, 15, 75.	0.4	2
57	Applying Data Mining in Urban Environments Using the Roles Model Approach. <i>Lecture Notes in Computer Science</i> , 2014, , 698-709.	1.0	1
58	Playing with complexity: From cellular evolutionary algorithms with coalitions to self-organizing maps. <i>Computers and Mathematics With Applications</i> , 2013, 66, 201-212.	1.4	7
59	Self-Adapting Coalition Formation Among Electric Vehicles in Smart Grids. , 2013, , .		13
60	Using Complex Network Topologies and Self-Organizing Maps for Time Series Prediction. <i>Advances in Intelligent Systems and Computing</i> , 2013, , 323-332.	0.5	5
61	Evolutionary Algorithms Based on Game Theory and Cellular Automata with Coalitions. <i>Intelligent Systems Reference Library</i> , 2013, , 481-503.	1.0	8
62	Designing Intelligent Tutoring Systems: A Personalization Strategy using Case-Based Reasoning and Multi-Agent Systems. <i>Advances in Distributed Computing and Artificial Intelligence Journal</i> , 2013, 2, 41-54.	1.1	6
63	On the Dissemination of IEEE 802.11p Warning Messages in Distributed Vehicular Urban Networks. <i>Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series</i> , 2013, , 234-252.	0.5	0
64	A Tagging Recommender Service for Mobile Terminals. , 2013, , 424-435.		3
65	Personalised placement in networked video. , 2012, , .		1
66	Modelling and simulating a dynamic carpooling system for improving citizens mobility. <i>International Journal of Space-Based and Situated Computing</i> , 2012, 2, 209.	0.2	3
67	How Coalitions Enhance Cooperation in the IPD over Complex Networks. , 2012, , .		3
68	An intelligent tutoring module controlled by BDI agents for an e-learning platform. <i>Expert Systems With Applications</i> , 2012, 39, 7546-7554.	4.4	27
69	USING TAGS IN AN AIML-BASED CHATBOT TO IMPROVE ITS KNOWLEDGE. <i>Computer Science</i> , 2012, 13, 123.	0.4	3
70	Dynamic Personalisation of Media Content. , 2011, , .		1
71	A transport based clearing system for dynamic carpooling business services. , 2011, , .		12
72	Learning to cooperate in the Iterated Prisoner's Dilemma by means of social attachments. <i>Journal of the Brazilian Computer Society</i> , 2011, 17, 163-174.	0.8	9

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73	Implementation and analysis of the BitTorrent protocol with a multi-agent model. Journal of Network and Computer Applications, 2011, 34, 368-383.	5.8	8
74	TAGGEMENDOR: Relating multimedia using folksonomies. , 2011, , .		1
75	moreTourism: Mobile recommendations for tourism. , 2011, , .		27
76	Emerging Cooperation in the Spatial IPD with Reinforcement Learning and Coalitions. Studies in Computational Intelligence, 2011, , 187-206.	0.7	9
77	Carpooling: A Multi-Agent Simulation In Netlogo. , 2011, , .		8
78	A Review Of Methods For Encoding Neural Network Topologies In Evolutionary Computation. , 2011, , .		23
79	A zero-overhead error-correcting nVoD schema. Multimedia Tools and Applications, 2010, 48, 291-312.	2.6	5
80	Exploiting Social Tagging in a Web 2.0 Recommender System. IEEE Internet Computing, 2010, 14, 23-30.	3.2	26
81	A hybrid content-based and item-based collaborative filtering approach to recommend TV programs enhanced with singular value decomposition. Information Sciences, 2010, 180, 4290-4311.	4.0	288
82	Web-oriented business intelligence solution based on Associative Query Logic. Software - Practice and Experience, 2010, 40, n/a-n/a.	2.5	1
83	Using game theory and Competition-based Learning to stimulate student motivation and performance. Computers and Education, 2010, 55, 566-575.	5.1	437
84	A BDI-based intelligent tutoring module for the e-learning platform INES. , 2010, , .		8
85	Ownership and Trade in Spatial Evolutionary Memetic Games. , 2010, , 455-464.		0
86	EPMAS: Evolutionary Programming Multi-Agent Systems. , 2010, , .		0
87	CHARLIE: An AIML-based chatterbot which works as an interface among INES and humans. , 2009, , .		38
88	SinCity: A Pedagogical Testbed For Checking Multi-Agent Learning Techniques. , 2009, , .		1
89	A Mobile Peer-to-Peer Network of CBR Agents to Provide e-Assistance. Advances in Soft Computing, 2009, , 229-238.	0.4	0
90	Outdoor WLAN planning via non-monotone derivative-free optimization: algorithm adaptation and case study. Computational Optimization and Applications, 2008, 40, 405-419.	0.9	6

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91	Explicit gradient information in multiobjective optimization. Operations Research Letters, 2008, 36, 722-725.	0.5	8
92	Performance analysis of IEEE 802.11p in urban environments using a multi-agent model. , 2008, , .		11
93	Developing virtual teaching assistants for open e-learning platforms. , 2008, , .		5
94	A case-based peer-to-peer framework for managing student models in Intelligent Tutoring Systems. , 2008, , .		2
95	T-Bot and Q-Bot: A couple of AIML-based bots for tutoring courses and evaluating students. , 2008, , .		8
96	Multi-Agent System Model of a BitTorrent Network. , 2008, , .		1
97	Agent model of C2C communications in urban environments. , 2008, , .		0
98	Multi-agent Architecture for Intelligent Tutoring Systems Interoperability in Health Education. Lecture Notes in Computer Science, 2007, , 331-333.	1.0	2
99	Quantitative assessment of the benefits of RFID technology for libraries: a trans-European study. , 2007, , .		3
100	Integrating Intelligent Tutoring Systems and Health Information Systems. , 2007, , .		3
101	Cooperative CBR System for Sharing Student Models in Cooperative Intelligent Tutoring Systems. Lecture Notes in Computer Science, 2007, , 313-315.	1.0	1
102	Nonlinear Optimization of IEEE 802.11 Mesh Networks. Lecture Notes in Computer Science, 2007, , 466-473.	1.0	2
103	Agent-Controlled Sharing of Distributed Resources in User Networks. Studies in Computational Intelligence, 2007, , 29-60.	0.7	2
104	A Case-Based Approach for Building Intelligent Tutoring Systems. , 2006, , .		2
105	A Qualitative Comparison of Techniques for Student Modeling in Intelligent Tutoring Systems. , 2006, , .		26
106	A Combined Global & Local Search (CGLS) Approach to Global Optimization. Journal of Global Optimization, 2006, 34, 409-426.	1.1	27
107	Low-Cost Stabilized Platform for Airborne Sensor Positioning. Lecture Notes in Computer Science, 2006, , 263-268.	1.0	2
108	A Multi-agent Approach to Resource Sharing Optimization in User Networks. Lecture Notes in Computer Science, 2006, , 815-822.	1.0	1

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109	Agent-Controlled Distributed Resource Sharing to Improve P2P File Exchanges in User Networks. Lecture Notes in Computer Science, 2006, , 659-669.	1.0	0
110	Wireless protocol testing and validation supported by formal methods. A hands-on report. Journal of Systems and Software, 2005, 75, 139-154.	3.3	2
111	Case-Based Student Modeling in Multi-agent Learning Environment. Lecture Notes in Computer Science, 2005, , 72-81.	1.0	1
112	Complex networks. European Physical Journal B, 2004, 38, 147-162.	0.6	394
113	SINCO: Intelligent System in Disease Prevention and Control. An Architectural Approach. Lecture Notes in Computer Science, 2004, , 129-140.	1.0	2
114	X-Learn: An Intelligent Educational System Oriented towards the Net. Lecture Notes in Computer Science, 2004, , 628-637.	1.0	1
115	Agent-Driven Resource Optimization in User Networks: A Game Theoretical Approach. Lecture Notes in Computer Science, 2004, , 335-344.	1.0	2
116	Tools for Creation and Management of Didactic Resources in EIE. , 2003, , 1-12.		0
117	Heuristic-Driven Test Case Selection from Formal Specifications. A Case Study. Lecture Notes in Computer Science, 2002, , 57-76.	1.0	5
118	Improving Computer Support for Cooperative Applications over Internet. Lecture Notes in Computer Science, 1999, , 305-310.	1.0	1
119	Mathematical programming evaluation of intrinsic survivability in packet-path networks. , 0, , .		0
120	Wireless Satellite Network Monitoring using Distributed Multiagent Systems. , 0, , .		0