Manuel Chica

List of Publications by Year
in descending order

76 papers	1,338 citations	304368 22 h-index	395343 33 g-index
79 all docs	79 docs citations	79 times ranked	1136 citing authors

#	Article	IF	Citations
1	Evolution of trust in the sharing economy with fixed provider and consumer roles under different host network structures. Knowledge-Based Systems, 2022, 236, 107496.	4.0	11
2	Cooperation dynamics under pandemic risks and heterogeneous economic interdependence. Chaos, Solitons and Fractals, 2022, 155, 111655.	2.5	6
3	Sustainability in tourism determined by an asymmetric game with mobility. Journal of Cleaner Production, 2022, 355, 131662.	4.6	11
4	Evolution of cooperation and trust in an N-player social dilemma game with tags for migration decisions. Royal Society Open Science, 2022, 9, 212000.	1.1	4
5	Evolutionary Multiobjective Optimization for Automatic Agent-Based Model Calibration: A Comparative Study. IEEE Access, 2021, 9, 55284-55299.	2.6	5
6	Understanding the dynamics of inter-provincial migration in the Mekong Delta, Vietnam: an agent-based modeling study. Simulation, 2021, 97, 267-285.	1.1	8
7	A collective risk dilemma for tourism restrictions under the COVID-19 context. Scientific Reports, 2021, 11, 5043.	1.6	26
8	Maintenance costs and makespan minimization for assembly permutation flow shop scheduling by considering preventive and corrective maintenance. Journal of Manufacturing Systems, 2021, 59, 549-564.	7.6	30
9	Coral reefs optimization algorithms for agent-based model calibration. Engineering Applications of Artificial Intelligence, 2021, 100, 104170.	4.3	6
10	Specific environmental charges to boost Cold Ironing use in the European Short Sea Shipping. Transportation Research, Part D: Transport and Environment, 2021, 94, 102775.	3.2	22
11	An Evolutionary Game Model for Understanding Fraud in Consumption Taxes [Research Frontier]. IEEE Computational Intelligence Magazine, 2021, 16, 62-76.	3.4	10
12	IPOP-CMA-ES and the Influence of Different Deviation Measures for Agent-Based Model Calibration. , 2021, , .		0
13	Standard methods for pollen research. Journal of Apicultural Research, 2021, 60, 1-109.	0.7	25
14	An agent-based system for modeling users' acquisition and retention in startup apps. Expert Systems With Applications, 2021, 176, 114861.	4.4	8
15	A robust MILP and gene expression programming based on heuristic rules for mixed-model multi-manned assembly line balancing. Applied Soft Computing Journal, 2021, 109, 107513.	4.1	14
16	Simulating the influence of terror management strategies on the voter ideological distance using agent-based modeling. Telematics and Informatics, 2021, 63, 101656.	3.5	4
17	A framework of opinion dynamics using fuzzy linguistic 2-tuples. Knowledge-Based Systems, 2021, 233, 107559.	4.0	9
18	Evolutionary multiobjective optimization to target social network influentials in viral marketing. Expert Systems With Applications, 2020, 147, 113183.	4.4	34

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19	Modeling agentâ€based consumers decisionâ€making with 2â€tuple fuzzy linguistic perceptions. International Journal of Intelligent Systems, 2020, 35, 283-299.	3.3	18
20	Multi-manned assembly line balancing with time and space constraints: A MILP model and memetic ant colony system. Computers and Industrial Engineering, 2020, 150, 106862.	3.4	17
21	2-tuple fuzzy linguistic perceptions and probabilistic awareness-based heuristics for modeling consumer purchase behaviors. , 2020, , .		0
22	Embracing multimodal optimization to enhance Dynamic Energy Budget parameterization. Ecological Modelling, 2020, 431, 109139.	1.2	4
23	Climate change induced migration and the evolution of cooperation. Applied Mathematics and Computation, 2020, 377, 125090.	1.4	6
24	Joint Optimization of Routes and Container Fleets to Design Sustainable Intermodal Chains in Chile. Sustainability, 2020, 12, 2221.	1.6	3
25	Agent-based Modeling of Migration Dynamics in the Mekong Delta, Vietnam: Automated Calibration Using a Genetic Algorithm. , 2019, , .		3
26	Letting the Computers Take Over: Using AI to Solve Marketing Problems. California Management Review, 2019, 61, 156-185.	3.4	81
27	A multicriteria integral framework for agent-based model calibration using evolutionary multiobjective optimization and network-based visualization. Decision Support Systems, 2019, 124, 113111.	3.5	20
28	Effects of update rules on networked N-player trust game dynamics. Communications in Nonlinear Science and Numerical Simulation, 2019, 79, 104870.	1.7	19
29	Constructive metaheuristics for solving the Car Sequencing Problem under uncertain partial demand. Computers and Industrial Engineering, 2019, 137, 106048.	3.4	11
30	An Evolutionary Game Model with Punishment and Protection to Promote Trust in the Sharing Economy. Scientific Reports, 2019, 9, 19789.	1.6	23
31	Benefits of robust multiobjective optimization for flexible automotive assembly line balancing. Flexible Services and Manufacturing Journal, 2019, 31, 75-103.	1.9	16
32	Contract Farming in the Mekong Delta's Rice Supply Chain: Insights from an Agent-Based Modeling Study. Jasss, 2019, 22, .	1.0	20
33	Coral Reef Optimization with substrate layers for medical Image Registration. Swarm and Evolutionary Computation, 2018, 42, 138-159.	4.5	40
34	moGrams: A Network-Based Methodology for Visualizing the Set of Nondominated Solutions in Multiobjective Optimization. IEEE Transactions on Cybernetics, 2018, 48, 474-485.	6.2	8
35	On the use of machine learning methods to predict component reliability from data-driven industrial case studies. International Journal of Advanced Manufacturing Technology, 2018, 94, 2419-2433.	1.5	57
36	A Networked <inline-formula> <tex-math notation="LaTeX">${N}$ </tex-math> </inline-formula>-Player Trust Game and Its Evolutionary Dynamics. IEEE Transactions on Evolutionary Computation, 2018, 22, 866-878.	7.5	58

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37	Agent-based Modeling of Inter-provincial Migration in the Mekong Delta, Vietnam: A Data Analytics Approach. , 2018, , .		3
38	Mono-modal Medical Image Registration with Coral Reef Optimization. Lecture Notes in Computer Science, 2018, , 222-234.	1.0	0
39	An agent-based model for understanding the influence of the 11-M terrorist attacks on the 2004 Spanish elections. Knowledge-Based Systems, 2017, 123, 200-216.	4.0	37
40	An evolutionary trust game for the sharing economy. , 2017, , .		12
41	Coral Reef Optimization for intensity-based medical image registration. , 2017, , .		1
42	Building Agent-Based Decision Support Systems for Word-of-Mouth Programs: A Freemium Application. Journal of Marketing Research, 2017, 54, 752-767.	3.0	68
43	Multimodal optimization: An effective framework for model calibration. Information Sciences, 2017, 375, 79-97.	4.0	30
44	Agent-based simulation of contract rice farming in the Mekong Delta, Vietnam. , 2017, , .		2
45	Building Agent-Based Decision Support Systems for Word-of-Mouth Programs. A Freemium Application. SSRN Electronic Journal, 2016, , .	0.4	1
46	Incorporating awareness and genetic-based viral marketing strategies to a consumer behavior model. , 2016, , .		2
47	Identimod: Modeling and managing brand value using soft computing. Decision Support Systems, 2016, 89, 41-55.	3.5	12
48	A multiobjective model and evolutionary algorithms for robust time and space assembly line balancing under uncertain demand. Omega, 2016, 58, 55-68.	3.6	60
49	Adaptive IDEA for Robust Multiobjective Optimization, Application to the r-TSALBP-m/A. , 2015, , .		0
50	The ForFire photodetector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 787, 102-104.	0.7	7
51	Interactive preferences in multiobjective ant colony optimisation for assembly line balancing. Soft Computing, 2015, 19, 2891-2903.	2.1	14
52	Detecting Key Variables in System Dynamics Modelling by Using Social Network Metrics. Lecture Notes in Economics and Mathematical Systems, 2015, , 207-217.	0.3	5
53	NTIGen: A Software for Generating Nissan Based Instances for Time and Space Assembly Line Balancing. Lecture Notes in Management and Industrial Engineering, 2014, , 121-128.	0.3	2
54	A Novel Framework to Design Fuzzy Rule-Based Ensembles Using Diversity Induction and Evolutionary Algorithms-Based Classifier Selection and Fusion. Lecture Notes in Computer Science, 2013, , 36-58.	1.0	5

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55	A comparative study of Multi-Objective Ant Colony Optimization algorithms for the Time and Space Assembly Line Balancing Problem. Applied Soft Computing Journal, 2013, 13, 4370-4382.	4.1	45
56	A robustness information and visualization model for time and space assembly line balancing under uncertain demand. International Journal of Production Economics, 2013, 145, 761-772.	5.1	36
57	Multiobjective genetic classifier selection for random oracles fuzzy rule-based classifier ensembles: How beneficial is the additional diversity?. Knowledge-Based Systems, 2013, 54, 3-21.	4.0	22
58	A Study on the Use of Multiobjective Genetic Algorithms for Classifier Selection in FURIA-based Fuzzy Multiclassifiers. International Journal of Computational Intelligence Systems, 2012, 5, 231-253.	1.6	23
59	Real-time recognition of patient intentions from sequences of pressure maps using artificial neural networks. Computers in Biology and Medicine, 2012, 42, 364-375.	3.9	7
60	Authentication of bee pollen grains in bright–field microscopy by combining one–class classification techniques and image processing. Microscopy Research and Technique, 2012, 75, 1475-1485.	1.2	24
61	Multiobjective memetic algorithms for time and space assembly line balancing. Engineering Applications of Artificial Intelligence, 2012, 25, 254-273.	4.3	34
62	Discernment of bee pollen loads using computer vision and one-class classification techniques. Journal of Food Engineering, 2012, 112, 50-59.	2.7	15
63	A new diversity induction mechanism for a multi-objective ant colony algorithm to solve a real-world time and space assembly line balancing problem. Memetic Computing, 2011, 3, 15-24.	2.7	14
64	An advanced multiobjective genetic algorithm design for the time and space assembly line balancing problem. Computers and Industrial Engineering, 2011, 61, 103-117.	3.4	46
65	Including different kinds of preferences in a multi-objective ant algorithm for time and space assembly line balancing on different Nissan scenarios. Expert Systems With Applications, 2011, 38, 709-720.	4.4	34
66	A multiobjective memetic ant colony optimization algorithm for the 1/3 variant of the time and space assembly line balancing problem. , 2011, , .		2
67	Tackling the 1/3 variant of the time and space assembly line balancing problem by means of a multiobjective genetic algorithm. , 2011, , .		0
68	Multiobjective constructive heuristics for the 1/3 variant of the time and space assembly line balancing problem: ACO and random greedy search. Information Sciences, 2010, 180, 3465-3487.	4.0	69
69	Adding Diversity to Two Multiobjective Constructive Metaheuristics for Time and Space Assembly Line Balancing. , 2010, , 211-226.		1
70	Adding diversity to a Multiobjective Ant Colony algorithm for time and Space Assembly Line Balancing. , 2009, , .		2
71	Integration of an EMO-based preference elicitation scheme into a multi-objective ACO algorithm for time and Space Assembly Line Balancing. , 2009, , .		6
72	Incorporating Preferences to a Multi-objective Ant Colony Algorithm for Time and Space Assembly Line Balancing. Lecture Notes in Computer Science, 2008, , 331-338.	1.0	5

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73	Niching genetic feature selection algorithms applied to the design of fuzzy rule-based classification systems. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	9
74	Why Simheuristics? Benefits, Limitations, and Best Practices When Combining Metaheuristics with Simulation. SSRN Electronic Journal, 0, , .	0.4	28
75	Multimodal Optimization: An Effective Framework for Model Calibration. SSRN Electronic Journal, 0, , .	0.4	0
76	An Agent-Based Model for Understanding the Influence of the 11-M Terrorist Attacks on the 2004 Spanish Elections. SSRN Electronic Journal, 0, , .	0.4	0