

# Manuel Chica

## List of Publications by Year in descending order

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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	Letting the Computers Take Over: Using AI to Solve Marketing Problems. California Management Review, 2019, 61, 156-185.	3.4	81
2	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
3	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
4	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
5	A Networked &lt;math>N</math>-Player Trust Game and Its Evolutionary Dynamics. IEEE Transactions on Evolutionary Computation, 2018, 22, 866-878.	7.5	58
6	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
7	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
8	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
9	Coral Reef Optimization with substrate layers for medical Image Registration. Swarm and Evolutionary Computation, 2018, 42, 138-159.	4.5	40
10	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
11	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
12	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
13	Multiobjective memetic algorithms for time and space assembly line balancing. Engineering Applications of Artificial Intelligence, 2012, 25, 254-273.	4.3	34
14	Evolutionary multiobjective optimization to target social network influentials in viral marketing. Expert Systems With Applications, 2020, 147, 113183.	4.4	34
15	Multimodal optimization: An effective framework for model calibration. Information Sciences, 2017, 375, 79-97.	4.0	30
16	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
17	Why Simheuristics? Benefits, Limitations, and Best Practices When Combining Metaheuristics with Simulation. SSRN Electronic Journal, 0, , .	0.4	28
18	A collective risk dilemma for tourism restrictions under the COVID-19 context. Scientific Reports, 2021, 11, 5043.	1.6	26

#	ARTICLE	IF	CITATIONS
19	Standard methods for pollen research. <i>Journal of Apicultural Research</i> , 2021, 60, 1-109.	0.7	25
20	Authentication of bee pollen grains in bright-field microscopy by combining one-class classification techniques and image processing. <i>Microscopy Research and Technique</i> , 2012, 75, 1475-1485.	1.2	24
21	A Study on the Use of Multiobjective Genetic Algorithms for Classifier Selection in FLURIA-based Fuzzy Multiclassifiers. <i>International Journal of Computational Intelligence Systems</i> , 2012, 5, 231-253.	1.6	23
22	An Evolutionary Game Model with Punishment and Protection to Promote Trust in the Sharing Economy. <i>Scientific Reports</i> , 2019, 9, 19789.	1.6	23
23	Multiobjective genetic classifier selection for random oracles fuzzy rule-based classifier ensembles: How beneficial is the additional diversity?. <i>Knowledge-Based Systems</i> , 2013, 54, 3-21.	4.0	22
24	Specific environmental charges to boost Cold Ironing use in the European Short Sea Shipping. <i>Transportation Research, Part D: Transport and Environment</i> , 2021, 94, 102775.	3.2	22
25	A multicriteria integral framework for agent-based model calibration using evolutionary multiobjective optimization and network-based visualization. <i>Decision Support Systems</i> , 2019, 124, 113111.	3.5	20
26	Contract Farming in the Mekong Delta's Rice Supply Chain: Insights from an Agent-Based Modeling Study. <i>Jasss</i> , 2019, 22, .	1.0	20
27	Effects of update rules on networked N-player trust game dynamics. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 79, 104870.	1.7	19
28	Modeling agent-based consumers decision-making with 2-tuple fuzzy linguistic perceptions. <i>International Journal of Intelligent Systems</i> , 2020, 35, 283-299.	3.3	18
29	Multi-manned assembly line balancing with time and space constraints: A MILP model and memetic ant colony system. <i>Computers and Industrial Engineering</i> , 2020, 150, 106862.	3.4	17
30	Benefits of robust multiobjective optimization for flexible automotive assembly line balancing. <i>Flexible Services and Manufacturing Journal</i> , 2019, 31, 75-103.	1.9	16
31	Discernment of bee pollen loads using computer vision and one-class classification techniques. <i>Journal of Food Engineering</i> , 2012, 112, 50-59.	2.7	15
32	A new diversity induction mechanism for a multi-objective ant colony algorithm to solve a real-world time and space assembly line balancing problem. <i>Memetic Computing</i> , 2011, 3, 15-24.	2.7	14
33	Interactive preferences in multiobjective ant colony optimisation for assembly line balancing. <i>Soft Computing</i> , 2015, 19, 2891-2903.	2.1	14
34	A robust MILP and gene expression programming based on heuristic rules for mixed-model multi-manned assembly line balancing. <i>Applied Soft Computing Journal</i> , 2021, 109, 107513.	4.1	14
35	Identimod: Modeling and managing brand value using soft computing. <i>Decision Support Systems</i> , 2016, 89, 41-55.	3.5	12
36	An evolutionary trust game for the sharing economy. , 2017, , .		12

#	ARTICLE	IF	CITATIONS
37	Constructive metaheuristics for solving the Car Sequencing Problem under uncertain partial demand. <i>Computers and Industrial Engineering</i> , 2019, 137, 106048.	3.4	11
38	Evolution of trust in the sharing economy with fixed provider and consumer roles under different host network structures. <i>Knowledge-Based Systems</i> , 2022, 236, 107496.	4.0	11
39	Sustainability in tourism determined by an asymmetric game with mobility. <i>Journal of Cleaner Production</i> , 2022, 355, 131662.	4.6	11
40	An Evolutionary Game Model for Understanding Fraud in Consumption Taxes [Research Frontier]. <i>IEEE Computational Intelligence Magazine</i> , 2021, 16, 62-76.	3.4	10
41	Niching genetic feature selection algorithms applied to the design of fuzzy rule-based classification systems. <i>IEEE International Conference on Fuzzy Systems</i> , 2007, , .	0.0	9
42	A framework of opinion dynamics using fuzzy linguistic 2-tuples. <i>Knowledge-Based Systems</i> , 2021, 233, 107559.	4.0	9
43	moGrams: A Network-Based Methodology for Visualizing the Set of Nondominated Solutions in Multiobjective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2018, 48, 474-485.	6.2	8
44	Understanding the dynamics of inter-provincial migration in the Mekong Delta, Vietnam: an agent-based modeling study. <i>Simulation</i> , 2021, 97, 267-285.	1.1	8
45	An agent-based system for modeling users' acquisition and retention in startup apps. <i>Expert Systems With Applications</i> , 2021, 176, 114861.	4.4	8
46	Real-time recognition of patient intentions from sequences of pressure maps using artificial neural networks. <i>Computers in Biology and Medicine</i> , 2012, 42, 364-375.	3.9	7
47	The ForFire photodetector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 787, 102-104.	0.7	7
48	Integration of an EMO-based preference elicitation scheme into a multi-objective ACO algorithm for time and Space Assembly Line Balancing. , 2009, , .		6
49	Climate change induced migration and the evolution of cooperation. <i>Applied Mathematics and Computation</i> , 2020, 377, 125090.	1.4	6
50	Coral reefs optimization algorithms for agent-based model calibration. <i>Engineering Applications of Artificial Intelligence</i> , 2021, 100, 104170.	4.3	6
51	Cooperation dynamics under pandemic risks and heterogeneous economic interdependence. <i>Chaos, Solitons and Fractals</i> , 2022, 155, 111655.	2.5	6
52	A Novel Framework to Design Fuzzy Rule-Based Ensembles Using Diversity Induction and Evolutionary Algorithms-Based Classifier Selection and Fusion. <i>Lecture Notes in Computer Science</i> , 2013, , 36-58.	1.0	5
53	Evolutionary Multiobjective Optimization for Automatic Agent-Based Model Calibration: A Comparative Study. <i>IEEE Access</i> , 2021, 9, 55284-55299.	2.6	5
54	Detecting Key Variables in System Dynamics Modelling by Using Social Network Metrics. <i>Lecture Notes in Economics and Mathematical Systems</i> , 2015, , 207-217.	0.3	5

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55	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
56	Embracing multimodal optimization to enhance Dynamic Energy Budget parameterization. Ecological Modelling, 2020, 431, 109139.	1.2	4
57	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
58	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
59	Agent-based Modeling of Inter-provincial Migration in the Mekong Delta, Vietnam: A Data Analytics Approach. , 2018, , .		3
60	Agent-based Modeling of Migration Dynamics in the Mekong Delta, Vietnam: Automated Calibration Using a Genetic Algorithm. , 2019, , .		3
61	Joint Optimization of Routes and Container Fleets to Design Sustainable Intermodal Chains in Chile. Sustainability, 2020, 12, 2221.	1.6	3
62	Adding diversity to a Multiobjective Ant Colony algorithm for time and Space Assembly Line Balancing. , 2009, , .		2
63	A multiobjective memetic ant colony optimization algorithm for the 1/3 variant of the time and space assembly line balancing problem. , 2011, , .		2
64	Incorporating awareness and genetic-based viral marketing strategies to a consumer behavior model. , 2016, , .		2
65	Agent-based simulation of contract rice farming in the Mekong Delta, Vietnam. , 2017, , .		2
66	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
67	Building Agent-Based Decision Support Systems for Word-of-Mouth Programs. A Freemium Application. SSRN Electronic Journal, 2016, , .	0.4	1
68	Coral Reef Optimization for intensity-based medical image registration. , 2017, , .		1
69	Adding Diversity to Two Multiobjective Constructive Metaheuristics for Time and Space Assembly Line Balancing. , 2010, , 211-226.		1
70	Tackling the 1/3 variant of the time and space assembly line balancing problem by means of a multiobjective genetic algorithm. , 2011, , .		0
71	Adaptive IDEA for Robust Multiobjective Optimization, Application to the r-TSALBP-m/A. , 2015, , .		0
72	Mono-modal Medical Image Registration with Coral Reef Optimization. Lecture Notes in Computer Science, 2018, , 222-234.	1.0	0

#	ARTICLE	IF	CITATIONS
73	2-tuple fuzzy linguistic perceptions and probabilistic awareness-based heuristics for modeling consumer purchase behaviors. , 2020, , .		0
74	IPOP-CMA-ES and the Influence of Different Deviation Measures for Agent-Based Model Calibration. , 2021, , .		0
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