

Angel Juan

List of Publications by Citations

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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.

243
papers

3,728
citations

34
h-index

50
g-index

287
ext. papers

4,815
ext. citations

2.6
avg, IF

6.23
L-index

#	Paper	IF	Citations
243	A review of simheuristics: Extending metaheuristics to deal with stochastic combinatorial optimization problems. <i>Operations Research Perspectives</i> , 2015 , 2, 62-72	2.1	221
242	Rich Vehicle Routing Problem. <i>ACM Computing Surveys</i> , 2015 , 47, 1-28	13.4	154
241	Electric Vehicles in Logistics and Transportation: A Survey on Emerging Environmental, Strategic, and Operational Challenges. <i>Energies</i> , 2016 , 9, 86	3.1	86
240	On the use of Monte Carlo simulation, cache and splitting techniques to improve the Clarke and Wright savings heuristics. <i>Journal of the Operational Research Society</i> , 2011 , 62, 1085-1097	2	83
239	Horizontal cooperation in road transportation: a case illustrating savings in distances and greenhouse gas emissions. <i>International Transactions in Operational Research</i> , 2015 , 22, 585-606	2.9	79
238	Learnheuristics: hybridizing metaheuristics with machine learning for optimization with dynamic inputs. <i>Open Mathematics</i> , 2017 , 15, 261-280	0.8	69
237	Using safety stocks and simulation to solve the vehicle routing problem with stochastic demands. <i>Transportation Research Part C: Emerging Technologies</i> , 2011 , 19, 751-765	8.4	69
236	A biased-randomized simheuristic for the distributed assembly permutation flowshop problem with stochastic processing times. <i>Simulation Modelling Practice and Theory</i> , 2017 , 79, 23-36	3.9	68
235	The SR-GCWS hybrid algorithm for solving the capacitated vehicle routing problem. <i>Applied Soft Computing Journal</i> , 2010 , 10, 215-224	7.5	64
234	Biased randomization of heuristics using skewed probability distributions: A survey and some applications. <i>Computers and Industrial Engineering</i> , 2017 , 110, 216-228	6.4	62
233	A multi-agent based cooperative approach to scheduling and routing. <i>European Journal of Operational Research</i> , 2016 , 254, 169-178	5.6	57
232	A simheuristic algorithm for the Single-Period Stochastic Inventory-Routing Problem with stock-outs. <i>Simulation Modelling Practice and Theory</i> , 2014 , 46, 40-52	3.9	56
231	A Biased-Randomised Large Neighbourhood Search for the two-dimensional Vehicle Routing Problem with Backhauls. <i>European Journal of Operational Research</i> , 2016 , 255, 442-462	5.6	53
230	A simheuristic algorithm for solving the permutation flow shop problem with stochastic processing times. <i>Simulation Modelling Practice and Theory</i> , 2014 , 46, 101-117	3.9	53
229	Using horizontal cooperation concepts in integrated routing and facility-location decisions. <i>International Transactions in Operational Research</i> , 2019 , 26, 551-576	2.9	51
228	Routing fleets with multiple driving ranges: Is it possible to use greener fleet configurations?. <i>Applied Soft Computing Journal</i> , 2014 , 21, 84-94	7.5	50
227	Using parallel & distributed computing for real-time solving of vehicle routing problems with stochastic demands. <i>Annals of Operations Research</i> , 2013 , 207, 43-65	3.2	50

226	MIRHA: multi-start biased randomization of heuristics with adaptive local search for solving non-smooth routing problems. <i>Top</i> , 2013 , 21, 109-132	1.3	50
225	Solving the deterministic and stochastic uncapacitated facility location problem: from a heuristic to a simheuristic. <i>Journal of the Operational Research Society</i> , 2017 , 68, 1161-1176	2	47
224	Using iterated local search for solving the flow-shop problem: Parallelization, parametrization, and randomization issues. <i>International Transactions in Operational Research</i> , 2014 , 21, 103-126	2.9	47
223	SIMILS: a simulation-based extension of the iterated local search metaheuristic for stochastic combinatorial optimization. <i>Journal of Simulation</i> , 2016 , 10, 69-77	1.9	44
222	Combining statistical learning with metaheuristics for the Multi-Depot Vehicle Routing Problem with market segmentation. <i>Computers and Industrial Engineering</i> , 2016 , 94, 93-104	6.4	43
221	Combining variable neighborhood search with simulation for the inventory routing problem with stochastic demands and stock-outs. <i>Computers and Industrial Engineering</i> , 2018 , 123, 278-288	6.4	43
220	A discrete-event driven metaheuristic for dynamic home service routing with synchronised trip sharing. <i>European Journal of Industrial Engineering</i> , 2016 , 10, 323	1.1	42
219	A variable neighborhood search simheuristic for the multiperiod inventory routing problem with stochastic demands. <i>International Transactions in Operational Research</i> , 2020 , 27, 314-335	2.9	42
218	A simheuristic algorithm for solving the arc routing problem with stochastic demands. <i>Journal of Simulation</i> , 2018 , 12, 53-66	1.9	41
217	Supporting multi-depot and stochastic waste collection management in clustered urban areas via simulation optimization. <i>Journal of Simulation</i> , 2017 , 11, 11-19	1.9	41
216	Combining biased randomization with iterated local search for solving the multidepot vehicle routing problem. <i>International Transactions in Operational Research</i> , 2015 , 22, 647-667	2.9	41
215	Horizontal Cooperation in Vehicle Routing Problems with Backhauling and Environmental Criteria. <i>Procedia, Social and Behavioral Sciences</i> , 2014 , 111, 1133-1141		38
214	Educational Data Mining and Learning Analytics: differences, similarities, and time evolution. <i>RUSC Universities and Knowledge Society Journal</i> , 2015 , 12, 98		38
213	A simheuristic approach for the two-dimensional vehicle routing problem with stochastic travel times. <i>Simulation Modelling Practice and Theory</i> , 2018 , 89, 1-14	3.9	36
212	Enhancing and extending the classical GRASP framework with biased randomisation and simulation. <i>Journal of the Operational Research Society</i> , 2019 , 70, 1362-1375	2	35
211	Designing e-commerce supply chains: a stochastic facility location approach. <i>International Transactions in Operational Research</i> , 2019 , 26, 507-528	2.9	35
210	Using biased randomization for solving the two-dimensional loading vehicle routing problem with heterogeneous fleet. <i>Annals of Operations Research</i> , 2016 , 236, 383-404	3.2	34
209	A simheuristic algorithm to set up starting times in the stochastic parallel flowshop problem. <i>Simulation Modelling Practice and Theory</i> , 2018 , 86, 55-71	3.9	34

208	Providing effective feedback, monitoring and evaluation to on-line collaborative learning discussions. <i>Computers in Human Behavior</i> , 2011 , 27, 1372-1381	7.7	34
207	A variable neighborhood search simheuristic for project portfolio selection under uncertainty. <i>Journal of Heuristics</i> , 2020 , 26, 353-375	1.9	34
206	Agri-food supply chains with stochastic demands: A multi-period inventory routing problem with perishable products. <i>Simulation Modelling Practice and Theory</i> , 2019 , 97, 101970	3.9	33
205	A biased-randomized algorithm for the two-dimensional vehicle routing problem with and without item rotations. <i>International Transactions in Operational Research</i> , 2014 , 21, 375-398	2.9	33
204	A biased-randomized metaheuristic for the capacitated location routing problem. <i>International Transactions in Operational Research</i> , 2017 , 24, 1079-1098	2.9	32
203	Solving the Capacitated Vehicle Routing Problem with Environmental Criteria Based on Real Estimations in Road Transportation: A Case Study. <i>Procedia, Social and Behavioral Sciences</i> , 2011 , 20, 323-334		31
202	Waste collection under uncertainty: a simheuristic based on variable neighbourhood search. <i>European Journal of Industrial Engineering</i> , 2017 , 11, 228	1.1	28
201	Simulation Methods for Reliability and Availability of Complex Systems. <i>Springer Series in Reliability Engineering</i> , 2010 ,	0.2	28
200	The ALGACEA-1 method for the capacitated vehicle routing problem. <i>International Transactions in Operational Research</i> , 2008 , 15, 599-621	2.9	28
199	Binary Whale Optimization Algorithm for Dimensionality Reduction. <i>Mathematics</i> , 2020 , 8, 1821	2.3	28
198	An iterative biased-randomized heuristic for the fleet size and mix vehicle-routing problem with backhauls. <i>International Transactions in Operational Research</i> , 2019 , 26, 289-301	2.9	28
197	A biased-randomized iterated local search for the distributed assembly permutation flow-shop problem. <i>International Transactions in Operational Research</i> , 2020 , 27, 1368-1391	2.9	28
196	Mathematical e-learning: state of the art and experiences at the Open University of Catalonia. <i>International Journal of Mathematical Education in Science and Technology</i> , 2008 , 39, 455-471	0.5	27
195	The location routing problem using electric vehicles with constrained distance. <i>Computers and Operations Research</i> , 2020 , 115, 104864	4.6	27
194	Enhanced multi-directional local search for the bi-objective heterogeneous vehicle routing problem with multiple driving ranges. <i>European Journal of Operational Research</i> , 2019 , 277, 479-491	5.6	24
193	SR-1: A simulation-based algorithm for the Capacitated Vehicle Routing Problem 2008 ,		24
192	SYMBIOTIC SIMULATION SYSTEM: HYBRID SYSTEMS MODEL MEETS BIG DATA ANALYTICS 2018 ,		24
191	Speeding up computational times in simheuristics combining genetic algorithms with discrete-Event simulation. <i>Simulation Modelling Practice and Theory</i> , 2020 , 103, 102089	3.9	23

190	Predicting availability functions in time-dependent complex systems with SAEDES simulation algorithms. <i>Reliability Engineering and System Safety</i> , 2008 , 93, 1761-1771	6.3	23
189	Simulation-optimization methods for designing and assessing resilient supply chain networks under uncertainty scenarios: A review. <i>Simulation Modelling Practice and Theory</i> , 2021 , 106, 102166	3.9	23
188	2018 ,		23
187	Petri Net Model of a Smart Factory in the Frame of Industry 4.0. <i>IFAC-PapersOnLine</i> , 2018 , 51, 266-271	0.7	23
186	A BRILS metaheuristic for non-smooth flow-shop problems with failure-risk costs. <i>Expert Systems With Applications</i> , 2016 , 44, 177-186	7.8	22
185	A Survey on Financial Applications of Metaheuristics. <i>ACM Computing Surveys</i> , 2017 , 50, 1-23	13.4	22
184	An ILS-biased randomization algorithm for the two-dimensional loading HFVRP with sequential loading and items rotation. <i>Journal of the Operational Research Society</i> , 2016 , 67, 37-53	2	20
183	Simulation-based education involving online and on-campus models in different European universities. <i>International Journal of Educational Technology in Higher Education</i> , 2020 , 17,	6.3	20
182	Using Oriented Random Search to Provide a Set of Alternative Solutions to the Capacitated Vehicle Routing Problem 2009 , 331-345		20
181	Agile optimization of a two-echelon vehicle routing problem with pickup and delivery. <i>International Transactions in Operational Research</i> , 2021 , 28, 201-221	2.9	20
180	Biased-randomized iterated local search for a multiperiod vehicle routing problem with price discounts for delivery flexibility. <i>International Transactions in Operational Research</i> , 2019 , 26, 1293-1314	2.9	19
179	A Biased-Randomized Iterated Local Search Algorithm for Rich Portfolio Optimization. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3509	2.6	19
178	A simulation-optimization approach to deploy Internet services in large-scale systems with user-provided resources. <i>Simulation</i> , 2014 , 90, 644-659	1.2	19
177	SAMOS: a model for monitoring students' and groups' activities in collaborative e-learning. <i>International Journal of Learning Technology</i> , 2009 , 4, 53	0.5	19
176	A learnheuristic approach for the team orienteering problem with aerial drone motion constraints. <i>Applied Soft Computing Journal</i> , 2020 , 92, 106280	7.5	19
175	Consolidation centers in city logistics: A cooperative approach based on the location routing problem. <i>International Journal of Industrial Engineering Computations</i> , 2019 , 393-404	1.7	18
174	Adaptive Sensing User Selection Mechanism in Cognitive Wireless Networks. <i>IEEE Communications Letters</i> , 2010 , 14, 800-802	3.8	18
173	Optimizing ride-sharing operations in smart sustainable cities: Challenges and the need for agile algorithms. <i>Computers and Industrial Engineering</i> , 2021 , 153, 107080	6.4	18

172	Optimizing Energy Consumption in Transportation: Literature Review, Insights, and Research Opportunities. <i>Energies</i> , 2020 , 13, 1115	3.1	17
171	Maximising reward from a team of surveillance drones: a simheuristic approach to the stochastic team orienteering problem. <i>European Journal of Industrial Engineering</i> , 2020 , 14, 485	1.1	17
170	Using simheuristics to promote horizontal collaboration in stochastic city logistics. <i>Progress in Artificial Intelligence</i> , 2017 , 6, 275-284	4	16
169	Customer Relationship Management applied to higher education: developing an e-monitoring system to improve relationships in electronic learning environments. <i>International Journal of Services, Technology and Management</i> , 2010 , 14, 103	0.2	16
168	Development and assessment of the SHARP and RandSHARP algorithms for the arc routing problem. <i>AI Communications</i> , 2012 , 25, 173-189	0.8	15
167	Combining probabilistic algorithms, Constraint Programming and Lagrangian Relaxation to solve the Vehicle Routing Problem. <i>Annals of Mathematics and Artificial Intelligence</i> , 2011 , 62, 299-315	0.8	15
166	Simulation, Optimization, and Machine Learning in Sustainable Transportation Systems: Models and Applications. <i>Sustainability</i> , 2021 , 13, 1551	3.6	15
165	Teaching mathematics online in the European Area of Higher Education: an instructor's point of view. <i>International Journal of Mathematical Education in Science and Technology</i> , 2011 , 42, 141-153	0.5	14
164	A review of the role of heuristics in stochastic optimisation: from metaheuristics to learnheuristics. <i>Annals of Operations Research</i> , 1	3.2	14
163	On the Use of Learnheuristics in Vehicle Routing Optimization Problems with Dynamic Inputs. <i>Algorithms</i> , 2018 , 11, 208	1.8	14
162	Metaheuristics for rich portfolio optimisation and risk management: Current state and future trends. <i>Operations Research Perspectives</i> , 2019 , 6, 100121	2.1	13
161	A biased-randomized algorithm for redistribution of perishable food inventories in supermarket chains. <i>International Transactions in Operational Research</i> , 2019 , 26, 2077-2095	2.9	13
160	Sustainable Transportation 2019 , 3-23		13
159	Solving large-scale time capacitated arc routing problems: from real-time heuristics to metaheuristics. <i>Annals of Operations Research</i> , 2019 , 273, 135-162	3.2	13
158	Metaheuristics in Telecommunication Systems: Network Design, Routing, and Allocation Problems. <i>IEEE Systems Journal</i> , 2018 , 12, 3948-3957	4.3	12
157	A simheuristic algorithm for the capacitated location routing problem with stochastic demands. <i>Journal of Simulation</i> , 2019 , 1-18	1.9	12
156	A multi-start randomized heuristic for real-life crew rostering problems in airlines with work-balancing goals. <i>Annals of Operations Research</i> , 2017 , 258, 825-848	3.2	12
155	Games and simulation in higher education. <i>International Journal of Educational Technology in Higher Education</i> , 2017 , 14,	6.3	12

154	Empowering Citizens' Cognition and Decision Making in Smart Sustainable Cities. <i>IEEE Consumer Electronics Magazine</i> , 2020 , 9, 102-108	3.2	12
153	Solving vehicle routing problems with asymmetric costs and heterogeneous fleets. <i>International Journal of Advanced Operations Management</i> , 2014 , 6, 58	0.8	11
152	Sim-RandSHARP: A hybrid algorithm for solving the Arc Routing Problem with Stochastic Demands 2012 ,		11
151	A data analysis model based on control charts to monitor online learning processes. <i>International Journal of Business Intelligence and Data Mining</i> , 2009 , 4, 159	0.3	11
150	Modelling and multi-criteria analysis of the sustainability dimensions for the green vehicle routing problem. <i>European Journal of Operational Research</i> , 2021 , 292, 143-154	5.6	11
149	Combining simheuristics with Petri nets for solving the stochastic vehicle routing problem with correlated demands. <i>Expert Systems With Applications</i> , 2021 , 168, 114240	7.8	11
148	The Role of Simulation and Serious Games in Teaching Concepts on Circular Economy and Sustainable Energy. <i>Energies</i> , 2021 , 14, 1138	3.1	11
147	Modeling and solving the non-smooth arc routing problem with realistic soft constraints. <i>Expert Systems With Applications</i> , 2018 , 98, 205-220	7.8	10
146	Supporting Mobile Cloud Computing in Smart Cities via Randomized Algorithms. <i>IEEE Systems Journal</i> , 2018 , 12, 1598-1609	4.3	10
145	Solving the multidepot vehicle routing problem with limited depot capacity and stochastic demands. <i>International Transactions in Operational Research</i> , 2019 , 26, 458-484	2.9	10
144	A biased-randomized variable neighborhood search for sustainable multi-depot vehicle routing problems. <i>Journal of Heuristics</i> , 2020 , 26, 401-422	1.9	10
143	A simulation-based algorithm for the integrated location and routing problem in urban logistics 2013 ,		9
142	Optimizing Routes with Safety and Environmental Criteria in Transportation Management in Spain. <i>International Journal of Information Systems and Supply Chain Management</i> , 2011 , 4, 38-59	0.6	9
141	Developing an Information System for Monitoring Student's Activity in Online Collaborative Learning 2008 ,		9
140	A reactive simheuristic using online data for a real-life inventory routing problem with stochastic demands. <i>International Transactions in Operational Research</i> , 2020 , 27, 2785-2816	2.9	9
139	Combining symbiotic simulation systems with enterprise data storage systems for real-time decision-making. <i>Enterprise Information Systems</i> , 2021 , 15, 230-247	3.5	9
138	A simheuristic algorithm for the stochastic permutation flow-shop problem with delivery dates and cumulative payoffs. <i>International Transactions in Operational Research</i> , 2021 , 28, 716-737	2.9	9
137	A successive approximations method for the heterogeneous vehicle routing problem: analysing different fleet configurations. <i>European Journal of Industrial Engineering</i> , 2014 , 8, 762	1.1	8

136	Learning Operations Research online: benefits, challenges, and experiences. <i>International Journal of Simulation and Process Modelling</i> , 2009 , 5, 42	0.4	8
135	SREMS: System Reliability Using Monte Carlo Simulation with VBA and Excel. <i>Quality Engineering</i> , 2002 , 15, 333-340	1.4	8
134	A biased-randomized metaheuristic for the vehicle routing problem with clustered and mixed backhauls. <i>Networks</i> , 2017 , 69, 241-255	1.6	7
133	Applications of discrete-event simulation to reliability and availability assessment in civil engineering structures 2009 ,		7
132	Using simulation to determine reliability and availability of telecommunication networks. <i>European Journal of Industrial Engineering</i> , 2007 , 1, 131	1.1	7
131	On the Use of Biased-Randomized Algorithms for Solving Non-Smooth Optimization Problems. <i>Algorithms</i> , 2020 , 13, 8	1.8	6
130	ZERO: probabilistic routing for deploy and forget Wireless Sensor Networks. <i>Sensors</i> , 2010 , 10, 8920-37	3.8	6
129	Solving the Capacitated Vehicle Routing Problem with maximum traveling distance and service time requirements: An approach based on Monte Carlo simulation 2009 ,		6
128	Time-Shifted Online Collaboration 2010 , 55-73		6
127	Edge Computing and IoT Analytics for Agile Optimization in Intelligent Transportation Systems. <i>Energies</i> , 2021 , 14, 6309	3.1	6
126	A two-phase local search with a discrete-event heuristic for the omnichannel vehicle routing problem. <i>Computers and Industrial Engineering</i> , 2020 , 148, 106695	6.4	6
125	Fuzzy Simheuristics: Solving Optimization Problems under Stochastic and Uncertainty Scenarios. <i>Mathematics</i> , 2020 , 8, 2240	2.3	6
124	Agile optimization for a real-time facility location problem in Internet of Vehicles networks. <i>Networks</i> ,	1.6	6
123	A multi-start simheuristic for the stochastic two-dimensional vehicle routing problem 2016 ,		6
122	A biased-randomised algorithm for the capacitated facility location problem with soft constraints. <i>Journal of the Operational Research Society</i> , 2020 , 71, 1799-1815	2	6
121	A simheuristic algorithm for video streaming flows optimisation with QoS threshold modelled as a stochastic single-allocation p-hub median problem. <i>Journal of Simulation</i> ,1-14	1.9	6
120	INTEGRATING BIASED-RANDOMIZED GRASP WITH MONTE CARLO SIMULATION FOR SOLVING THE VEHICLE ROUTING PROBLEM WITH STOCHASTIC DEMANDS 2018 ,		6
119	Simulation Model of Traffic in Smart Cities for Decision-Making Support: Case Study in Tudela (Navarre, Spain). <i>Lecture Notes in Computer Science</i> , 2017 , 144-153	0.9	5

118	Routing Drones in Smart Cities: a Biased-Randomized Algorithm for Solving the Team Orienteering Problem in Real Time. <i>Transportation Research Procedia</i> , 2020 , 47, 243-250	2.4	5
117	PlanetLab@UOC: A real lab over the Internet to experiment with distributed systems. <i>Computer Applications in Engineering Education</i> , 2013 , 21, 265-275	1.6	5
116	Using the Critical Incident Technique to Identify Factors of Service Quality in Online Higher Education. <i>International Journal of Information Systems in the Service Sector</i> , 2010 , 2, 57-72	0.7	5
115	J-SAEDES: A java-based simulation software to improve reliability and availability of computer systems and networks 2007 ,		5
114	A Real-Time Energy-Saving Mechanism in Internet of Vehicles Systems. <i>IEEE Access</i> , 2021 , 9, 157842-157858	3.5	5
113	A Simulation Study Regarding Different Aircraft Boarding Strategies. <i>Lecture Notes in Business Information Processing</i> , 2013 , 145-152	0.6	5
112	Allocation of applications to Fog resources via semantic clustering techniques: with scenarios from intelligent transportation systems. <i>Computing (Vienna/New York)</i> , 2021 , 103, 361-378	2.2	5
111	Electric Vehicle Routing, Arc Routing, and Team Orienteering Problems in Sustainable Transportation. <i>Energies</i> , 2021 , 14, 5131	3.1	5
110	Combining production and distribution in supply chains: The hybrid flow-shop vehicle routing problem. <i>Computers and Industrial Engineering</i> , 2021 , 159, 107486	6.4	5
109	A strategic oscillation simheuristic for the Time Capacitated Arc Routing Problem with stochastic demands. <i>Computers and Operations Research</i> , 2021 , 133, 105377	4.6	5
108	Quantifying Potential Benefits of Horizontal Cooperation in Urban Transportation Under Uncertainty: A Simheuristic Approach. <i>Lecture Notes in Computer Science</i> , 2016 , 280-289	0.9	4
107	A Simheuristic for the Heterogeneous Site-Dependent Asymmetric VRP with Stochastic Demands. <i>Lecture Notes in Computer Science</i> , 2016 , 408-417	0.9	4
106	A simheuristic algorithm for Horizontal Cooperation in urban distribution: Application to a case study in COLOMBIA 2016 ,		4
105	Vehicle routing in a Spanish distribution company: Saving using a savings-based heuristic. <i>OR Insight</i> , 2013 , 26, 191-202		4
104	Combining Monte Carlo simulation with heuristics for solving the Inventory Routing Problem with stochastic demands 2012 ,		4
103	Risk Scoring Models for Trade Credit in Small and Medium Enterprises. <i>Springer Proceedings in Mathematics and Statistics</i> , 2015 , 349-360	0.2	4
102	Minimizing Trigger Error in Parametric Earthquake Catastrophe Bonds via Statistical Approaches. <i>Lecture Notes in Business Information Processing</i> , 2016 , 167-175	0.6	4
101	Supporting Effective Monitoring and Knowledge Building in Online Collaborative Learning Systems. <i>Lecture Notes in Computer Science</i> , 2008 , 205-214	0.9	4

100	Using Collaboration Strategies to Support the Monitoring of Online Collaborative Learning Activity. <i>Communications in Computer and Information Science</i> , 2010 , 271-277	0.3	4
99	Simulation-Optimization Methods in Vehicle Routing Problems: A Literature Review and an Example. <i>Lecture Notes in Business Information Processing</i> , 2013 , 115-124	0.6	4
98	Economic profitability of last-mile food delivery services: Lessons from Barcelona. <i>Research in Transportation Business and Management</i> , 2021 , 100659	2.8	4
97	A biased-randomized iterated local search for the vehicle routing problem with optional backhauls. <i>Top</i> , 2021 , 29, 387-416	1.3	4
96	Using Modelling Techniques to Analyze Urban Freight Distribution. A Case Study in Pamplona (Spain). <i>Transportation Research Procedia</i> , 2018 , 33, 67-74	2.4	4
95	A Biased-Randomized Learnheuristic for Solving the Team Orienteering Problem with Dynamic Rewards. <i>Transportation Research Procedia</i> , 2020 , 47, 680-687	2.4	3
94	2017 ,		3
93	Using simulation to estimate critical paths and survival functions in aircraft turnaround processes 2017 ,		3
92	On the use of biased randomization and simheuristics to solve Vehicle and Arc Routing Problems 2014 ,		3
91	Practice Summaries: Distribution Companies Use the Analytical Hierarchy Process for Environmental Assessment of Transportation Routes Crossing the Pyrenees in Navarre, Spain. <i>Interfaces</i> , 2013 , 43, 285-287	0.7	3
90	Operations research and simulation in master's degrees: A case study regarding different universities in Spain 2013 ,		3
89	Simulation education in the Internet age: Some experiences on the use of pure online and blended learning models 2009 ,		3
88	Collaborative and Distributed E-Research 2012 ,		3
87	Monitoring Students' Activity and Performance in Online Higher Education 2010 , 131-148		3
86	Computer-Supported Collaboration in Language Learning 2010 , 218-234		3
85	Teaching Mathematics Online 2012 ,		3
84	A Biased-Randomized Heuristic for the Waste Collection Problem in Smart Cities. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 255-263	0.4	3
83	Preface to the Special Issue on Matheuristics and Metaheuristics. <i>International Transactions in Operational Research</i> , 2020 , 27, 5-8	2.9	3

82	Simulation-Based Optimization in Transportation and Logistics: Comparing Sample Average Approximation with Simheuristics 2019 ,		3
81	A clustering-based review on project portfolio optimization methods. <i>International Transactions in Operational Research</i> , 2022 , 29, 172-199	2.9	3
80	Combining Heuristics with Simulation and Fuzzy Logic to Solve a Flexible-Size Location Routing Problem under Uncertainty. <i>Algorithms</i> , 2021 , 14, 45	1.8	3
79	A SIMHEURISTIC ALGORITHM FOR SOLVING AN INTEGRATED RESOURCE ALLOCATION AND SCHEDULING PROBLEM 2018 ,		3
78	A variable neighborhood search approach for the crew pairing problem. <i>Electronic Notes in Discrete Mathematics</i> , 2017 , 58, 87-94	0.3	2
77	A Savings-Based Heuristic for Solving the Omnichannel Vehicle Routing Problem with Pick-up and Delivery. <i>Transportation Research Procedia</i> , 2020 , 47, 83-90	2.4	2
76	A biased-randomized algorithm for optimizing efficiency in parametric earthquake (Re) insurance solutions. <i>Computers and Operations Research</i> , 2020 , 123, 105033	4.6	2
75	Using Biased-Randomized Algorithms for the Multi-Period Product Display Problem with Dynamic Attractiveness. <i>Algorithms</i> , 2020 , 13, 34	1.8	2
74	A Biased-Randomized Algorithm for the Uncapacitated Facility Location Problem. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 287-298	0.4	2
73	Solving Realistic Portfolio Optimization Problems via Metaheuristics: A Survey and an Example. <i>Lecture Notes in Business Information Processing</i> , 2016 , 22-30	0.6	2
72	2017 ,		2
71	Using Massive Processing and Mining for Modelling and Decision Making in Online Learning Systems 2011 ,		2
70	SR-2: A Hybrid Algorithm for the Capacitated Vehicle Routing Problem 2008 ,		2
69	Castelldefels project: modeling and simulation of the computer system that gives support to the virtual campus of the open University of Catalonia 2007 ,		2
68	SAEDES++: determining complex system availability via simulation		2
67	Integrating vehicle scheduling and open routing decisions in a cross-docking center with multiple docks. <i>Computers and Industrial Engineering</i> , 2022 , 164, 107869	6.4	2
66	Monitoring and Assessment in Online Collaborative Environments 2010 ,		2
65	Hybrid Algorithms for Service, Computing and Manufacturing Systems 2012 ,		2

64	Multi-capacity, Multi-depot, Multi-product VRP with Heterogeneous Fleets and Demand Exceeding Depot Capacity. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 113-123	0.4	2
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