

Angel Juan

List of Publications by Year in descending order

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275
papers

5,758
citations

61687

45
h-index

134545

62
g-index

293
all docs

293
docs citations

293
times ranked

3254
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of the role of heuristics in stochastic optimisation: from metaheuristics to learnheuristics. <i>Annals of Operations Research</i> , 2023, 320, 831-861.	2.6	31
2	MATH-ELEARNING@CAT: FACTORES CLAVES DEL USO DE LAS TIC EN EDUCACI3N MATEM3TICA SECUNDARIA. <i>Revista Latinoamericana De Investigacion En Matematica Educativa</i> , 2023, 19, 287-310.	0.1	3
3	The location routing problem with facility sizing decisions. <i>International Transactions in Operational Research</i> , 2023, 30, 915-945.	1.8	5
4	A GA-simheuristic for the stochastic and multi-period portfolio optimisation problem with liabilities. <i>Journal of Simulation</i> , 2023, 17, 632-645.	1.0	5
5	On the role of metaheuristic optimization in bioinformatics. <i>International Transactions in Operational Research</i> , 2023, 30, 2909-2944.	1.8	6
6	A simheuristic algorithm for video streaming flows optimisation with QoS threshold modelled as a stochastic single-allocation <i>p</i> -hub median problem. <i>Journal of Simulation</i> , 2022, 16, 480-493.	1.0	10
7	A clustering-based review on project portfolio optimization methods. <i>International Transactions in Operational Research</i> , 2022, 29, 172-199.	1.8	12
8	Economic profitability of last-mile food delivery services: Lessons from Barcelona. <i>Research in Transportation Business and Management</i> , 2022, 45, 100659.	1.6	12
9	A simheuristic algorithm for the portfolio optimization problem with random returns and noisy covariances. <i>Computers and Operations Research</i> , 2022, 139, 105631.	2.4	11
10	Integrating vehicle scheduling and open routing decisions in a cross-docking center with multiple docks. <i>Computers and Industrial Engineering</i> , 2022, 164, 107869.	3.4	12
11	A biased-randomized discrete-event heuristic for coordinated multi-vehicle container transport across interconnected networks. <i>European Journal of Operational Research</i> , 2022, 302, 348-362.	3.5	6
12	Applying Simheuristics to Minimize Overall Costs of an MRP Planned Production System. <i>Algorithms</i> , 2022, 15, 40.	1.2	3
13	A Biased-Randomized Discrete-Event Algorithm for the Hybrid Flow Shop Problem with Time Dependencies and Priority Constraints. <i>Algorithms</i> , 2022, 15, 54.	1.2	2
14	A Heuristic-Based Simulation for an Education Process to Learn about Optimization Applications in Logistics and Transportation. <i>Mathematics</i> , 2022, 10, 830.	1.1	5
15	IoT Analytics and Agile Optimization for Solving Dynamic Team Orienteering Problems with Mandatory Visits. <i>Mathematics</i> , 2022, 10, 982.	1.1	3
16	A Digital Twin for Decision Making on Livestock Feeding. <i>INFORMS Journal on Applied Analytics</i> , 2022, 52, 267-282.	0.7	7
17	Asset and Liability Risk Management in Financial Markets. , 2022, , 3-17.		1
18	A Fuzzy Simheuristic for the Permutation Flow Shop Problem under Stochastic and Fuzzy Uncertainty. <i>Mathematics</i> , 2022, 10, 1760.	1.1	6

#	ARTICLE	IF	CITATIONS
19	Optimizing Transport Logistics under Uncertainty with Simheuristics: Concepts, Review and Trends. Logistics, 2022, 6, 42.	2.4	12
20	Advanced Technologies in Smart Cities. Energies, 2022, 15, 4764.	1.6	2
21	A Multi-Start Biased-Randomized Algorithm for the Capacitated Dispersion Problem. Mathematics, 2022, 10, 2405.	1.1	5
22	Agile optimization of a two-echelon vehicle routing problem with pickup and delivery. International Transactions in Operational Research, 2021, 28, 201-221.	1.8	45
23	A biased-randomized iterated local search for the vehicle routing problem with optional backhauls. Top, 2021, 29, 387-416.	1.1	8
24	Combining symbiotic simulation systems with enterprise data storage systems for real-time decision-making. Enterprise Information Systems, 2021, 15, 230-247.	3.3	16
25	Modelling and multi-criteria analysis of the sustainability dimensions for the green vehicle routing problem. European Journal of Operational Research, 2021, 292, 143-154.	3.5	49
26	A simheuristic algorithm for the stochastic permutation flowshop problem with delivery dates and cumulative payoffs. International Transactions in Operational Research, 2021, 28, 716-737.	1.8	16
27	Simulation-optimization methods for designing and assessing resilient supply chain networks under uncertainty scenarios: A review. Simulation Modelling Practice and Theory, 2021, 106, 102166.	2.2	69
28	Allocation of applications to Fog resources via semantic clustering techniques: with scenarios from intelligent transportation systems. Computing (Vienna/New York), 2021, 103, 361-378.	3.2	14
29	Combining simheuristics with Petri nets for solving the stochastic vehicle routing problem with correlated demands. Expert Systems With Applications, 2021, 168, 114240.	4.4	19
30	Combining Heuristics with Simulation and Fuzzy Logic to Solve a Flexible-Size Location Routing Problem under Uncertainty. Algorithms, 2021, 14, 45.	1.2	8
31	The Role of Simulation and Serious Games in Teaching Concepts on Circular Economy and Sustainable Energy. Energies, 2021, 14, 1138.	1.6	34
32	Simulation, Optimization, and Machine Learning in Sustainable Transportation Systems: Models and Applications. Sustainability, 2021, 13, 1551.	1.6	41
33	Optimizing ride-sharing operations in smart sustainable cities: Challenges and the need for agile algorithms. Computers and Industrial Engineering, 2021, 153, 107080.	3.4	46
34	Electric Vehicle Routing, Arc Routing, and Team Orienteering Problems in Sustainable Transportation. Energies, 2021, 14, 5131.	1.6	13
35	Fuzzy Simheuristics for Optimizing Transportation Systems: Dealing with Stochastic and Fuzzy Uncertainty. Applied Sciences (Switzerland), 2021, 11, 7950.	1.3	10
36	Maximizing customers' lifetime value using limited marketing resources. Marketing Intelligence and Planning, 2021, 39, 1058-1072.	2.1	3

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37	Combining production and distribution in supply chains: The hybrid flow-shop vehicle routing problem. Computers and Industrial Engineering, 2021, 159, 107486.	3.4	14
38	A strategic oscillation simheuristic for the Time Capacitated Arc Routing Problem with stochastic demands. Computers and Operations Research, 2021, 133, 105377.	2.4	12
39	Agile Computational Intelligence for Supporting Hospital Logistics During the COVID-19 Crisis. Modeling and Optimization in Science and Technologies, 2021, , 383-407.	0.7	3
40	Edge Computing and IoT Analytics for Agile Optimization in Intelligent Transportation Systems. Energies, 2021, 14, 6309.	1.6	23
41	Business Analytics in Sport Talent Acquisition. International Journal of Business Analytics, 2021, 9, 1-20.	0.2	2
42	An Agile and Reactive Biased-Randomized Heuristic for an Agri-Food Rich Vehicle Routing Problem. Transportation Research Procedia, 2021, 58, 385-392.	0.8	1
43	The Urban Freight Distribution in Medium Size Cities: Descriptive Data Taken From Pamplona (Spain) and Angers (France). Transportation Research Procedia, 2021, 58, 347-354.	0.8	0
44	Promoting Sustainable and Intelligent Freight Transportation Systems in the Barcelona Metropolitan Area. Transportation Research Procedia, 2021, 58, 408-415.	0.8	6
45	A Real-Time Energy-Saving Mechanism in Internet of Vehicles Systems. IEEE Access, 2021, 9, 157842-157858.	2.6	11
46	Solving an Urban Ridesharing Problem with Stochastic Travel Times: A Simheuristic Approach. , 2021, , .		0
47	A Biased-Randomized Discrete-Event Heuristic for the Hybrid Flow Shop Problem with Batching and Multiple Paths. , 2021, , .		0
48	Combining Simulation with Reliability Analysis in Supply Chain Project Management Under Uncertainty: a Case Study in Healthcare. , 2021, , .		0
49	Applying Simheuristics for Safety Stock and Planned Lead Time Optimization in a Rolling Horizon MRP System Under Uncertainty. , 2021, , .		3
50	Combining Parallel Computing and Biased Randomization for Solving the Team Orienteering Problem in Real-Time. Applied Sciences (Switzerland), 2021, 11, 12092.	1.3	7
51	Supporting Hospital Logistics During the First Months of The COVID-19 Crisis: A Simheuristic for the Stochastic Team Orienteering Problem. , 2021, , .		2
52	Supporting Efficient Assignment of Medical Resources in Cancer Treatments with Simulation-Optimization. , 2021, , .		0
53	Waste Collection of Medical Items Under Uncertainty Using Internet of Things and City Open Data Repositories: A Simheuristic Approach. , 2021, , .		0
54	A Genetic Algorithm Simheuristic for the Open UAV Task Assignment and Routing Problem with Stochastic Traveling and Servicing Times. , 2021, , .		1

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55	Last-Mile Delivery of Pharmaceutical Items to Heterogeneous Healthcare Centers with Random Travel Times and Unpunctuality Fees. , 2021, , .		0
56	A Tutorial on how to Connect Python with Different Simulation Software to Develop Rich Simheuristics. , 2021, , .		5
57	A variable neighborhood search simheuristic for project portfolio selection under uncertainty. Journal of Heuristics, 2020, 26, 353-375.	1.1	53
58	A biased-randomized variable neighborhood search for sustainable multi-depot vehicle routing problems. Journal of Heuristics, 2020, 26, 401-422.	1.1	18
59	A variable neighborhood search simheuristic for the multiperiod inventory routing problem with stochastic demands. International Transactions in Operational Research, 2020, 27, 314-335.	1.8	59
60	A biased-randomized iterated local search for the distributed assembly permutation flowshop problem. International Transactions in Operational Research, 2020, 27, 1368-1391.	1.8	50
61	A biased-randomised algorithm for the capacitated facility location problem with soft constraints. Journal of the Operational Research Society, 2020, 71, 1799-1815.	2.1	9
62	Preface to the Special Issue on Matheuristics and Metaheuristics. International Transactions in Operational Research, 2020, 27, 5-8.	1.8	5
63	Empowering Citizensâ€™ Cognition and Decision Making in Smart Sustainable Cities. IEEE Consumer Electronics Magazine, 2020, 9, 102-108.	2.3	20
64	The location routing problem using electric vehicles with constrained distance. Computers and Operations Research, 2020, 115, 104864.	2.4	59
65	Binary Whale Optimization Algorithm for Dimensionality Reduction. Mathematics, 2020, 8, 1821.	1.1	65
66	An Evolutionary Approach to Improve the Halftoning Process. Mathematics, 2020, 8, 1636.	1.1	3
67	A Simheuristic Algorithm for Solving the Stochastic Omnichannel Vehicle Routing Problem with Pick-up and Delivery. Algorithms, 2020, 13, 237.	1.2	5
68	A two-phase local search with a discrete-event heuristic for the omnichannel vehicle routing problem. Computers and Industrial Engineering, 2020, 148, 106695.	3.4	21
69	The Non-Smooth and Bi-Objective Team Orienteering Problem with Soft Constraints. Mathematics, 2020, 8, 1461.	1.1	6
70	Maximising reward from a team of surveillance drones: a simheuristic approach to the stochastic team orienteering problem. European Journal of Industrial Engineering, 2020, 14, 485.	0.5	37
71	Modern Optimization and Simulation Methods in Managerial and Business Economics: A Review. Administrative Sciences, 2020, 10, 47.	1.5	3
72	Combining a Matheuristic with Simulation for Risk Management of Stochastic Assets and Liabilities. Risks, 2020, 8, 131.	1.3	2

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73	Fuzzy Simheuristics: Solving Optimization Problems under Stochastic and Uncertainty Scenarios. Mathematics, 2020, 8, 2240.	1.1	10
74	Applying Statistical Learning Methods for Forecasting Prices and Enhancing the Probability of Success in Logistics Tenders. Transportation Research Procedia, 2020, 47, 529-536.	0.8	5
75	Routing Drones in Smart Cities: a Biased-Randomized Algorithm for Solving the Team Orienteering Problem in Real Time. Transportation Research Procedia, 2020, 47, 243-250.	0.8	8
76	A Savings-Based Heuristic for Solving the Omnichannel Vehicle Routing Problem with Pick-up and Delivery. Transportation Research Procedia, 2020, 47, 83-90.	0.8	5
77	A Biased-Randomized Learnheuristic for Solving the Team Orienteering Problem with Dynamic Rewards. Transportation Research Procedia, 2020, 47, 680-687.	0.8	6
78	Speeding up computational times in simheuristics combining genetic algorithms with discrete-Event simulation. Simulation Modelling Practice and Theory, 2020, 103, 102089.	2.2	51
79	Optimizing Energy Consumption in Transportation: Literature Review, Insights, and Research Opportunities. Energies, 2020, 13, 1115.	1.6	36
80	Simulation-based education involving online and on-campus models in different European universities. International Journal of Educational Technology in Higher Education, 2020, 17, .	4.5	47
81	A biased-randomized algorithm for optimizing efficiency in parametric earthquake (Re) insurance solutions. Computers and Operations Research, 2020, 123, 105033.	2.4	4
82	On the Use of Biased-Randomized Algorithms for Solving Non-Smooth Optimization Problems. Algorithms, 2020, 13, 8.	1.2	13
83	Using Biased-Randomized Algorithms for the Multi-Period Product Display Problem with Dynamic Attractiveness. Algorithms, 2020, 13, 34.	1.2	3
84	A learnheuristic approach for the team orienteering problem with aerial drone motion constraints. Applied Soft Computing Journal, 2020, 92, 106280.	4.1	41
85	A reactive simheuristic using online data for a real-life inventory routing problem with stochastic demands. International Transactions in Operational Research, 2020, 27, 2785-2816.	1.8	16
86	A Simheuristic Algorithm for Reliable Asset and Liability Management Under Uncertainty Scenarios. , 2020, , .		0
87	On the Scarcity of Observations when Modelling Random Inputs and the Quality of Solutions to Stochastic Optimisation Problems. , 2020, , .		0
88	A Simheuristic Algorithm for the Location Routing Problem with Facility Sizing Decisions and Stochastic Demands. , 2020, , .		1
89	On the Use of Simulation-Optimization in Sustainability Aware Project Portfolio Management. , 2020, , .		0
90	An Agile Simheuristic for the Stochastic Team Task Assignment and Orienteering Problem: Applications to Unmanned Aerial Vehicles. , 2020, , .		1

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91	A Simulation-Optimization Approach for Locating Automated Parcel Lockers in Urban Logistics Operations. , 2020, , .		4
92	A Simheuristic-Learnheuristic Algorithm for the Stochastic Team Orienteering Problem with Dynamic Rewards. , 2020, , .		1
93	A Discrete-Event Heuristic for Makespan Optimization in Multi-Server Flow-Shop Problems with Machine re-entering. , 2020, , .		1
94	Solving the multidepot vehicle routing problem with limited depot capacity and stochastic demands. International Transactions in Operational Research, 2019, 26, 458-484.	1.8	26
95	Agri-food supply chains with stochastic demands: A multi-period inventory routing problem with perishable products. Simulation Modelling Practice and Theory, 2019, 97, 101970.	2.2	69
96	A Biased-Randomized Iterated Local Search Algorithm for Rich Portfolio Optimization. Applied Sciences (Switzerland), 2019, 9, 3509.	1.3	27
97	A simheuristic algorithm for the capacitated location routing problem with stochastic demands. Journal of Simulation, 2019, , 1-18.	1.0	19
98	Metaheuristics for rich portfolio optimisation and risk management: Current state and future trends. Operations Research Perspectives, 2019, 6, 100121.	1.2	34
99	Biasedâ€randomized iterated local search for a multiperiod vehicle routing problem with price discounts for delivery flexibility. International Transactions in Operational Research, 2019, 26, 1293-1314.	1.8	29
100	A biasedâ€randomized algorithm for redistribution of perishable food inventories in supermarket chains. International Transactions in Operational Research, 2019, 26, 2077-2095.	1.8	18
101	Enhanced multi-directional local search for the bi-objective heterogeneous vehicle routing problem with multiple driving ranges. European Journal of Operational Research, 2019, 277, 479-491.	3.5	41
102	Consolidation centers in city logistics: A cooperative approach based on the location routing problem. International Journal of Industrial Engineering Computations, 2019, , 393-404.	0.4	32
103	Combining the Internet of Things with Simulation-Based Optimization to Enhance Logistics in an Agri-Food Supply Chain. , 2019, , .		5
104	An Inventory-Routing Problem with Stochastic Demand and Stock-Out: A Solution and Risk Analysis Using Simheuristics. , 2019, , .		1
105	Combining Simulation with a Biased-Randomized Heuristic to Develop Parametric Bonds for Insurance Coverage against Earthquakes. , 2019, , .		0
106	Horizontal Cooperation Practices in Internet-based Higher Education, Computational Logistics and Telecommunications. Journal of Computer Science, 2019, 15, 197-206.	0.5	2
107	Simulation-Based Optimization in Transportation and Logistics: Comparing Sample Average Approximation with Simheuristics. , 2019, , .		5
108	A Simheuristic for the Unmanned Aerial Vehicle Surveillance-Routing Problem with Stochastic Travel Times and Reliability Considerations. , 2019, , .		3

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109	Sustainable Transportation. , 2019, , 3-23.		21
110	Enhancing and extending the classical GRASP framework with biased randomisation and simulation. Journal of the Operational Research Society, 2019, 70, 1362-1375.	2.1	54
111	Designing e-commerce supply chains: a stochastic facility location approach. International Transactions in Operational Research, 2019, 26, 507-528.	1.8	55
112	Using horizontal cooperation concepts in integrated routing and facility location decisions. International Transactions in Operational Research, 2019, 26, 551-576.	1.8	71
113	Solving large-scale time capacitated arc routing problems: from real-time heuristics to metaheuristics. Annals of Operations Research, 2019, 273, 135-162.	2.6	17
114	An iterative biased-randomized heuristic for the fleet size and mix vehicle routing problem with backhauls. International Transactions in Operational Research, 2019, 26, 289-301.	1.8	54
115	A Survey on Financial Applications of Metaheuristics. ACM Computing Surveys, 2018, 50, 1-23.	16.1	43
116	A Biased-Randomized Heuristic for the Home Healthcare Routing Problem. Springer Proceedings in Mathematics and Statistics, 2018, , 57-67.	0.1	0
117	A Biased-Randomized Algorithm for the Uncapacitated Facility Location Problem. Advances in Intelligent Systems and Computing, 2018, , 287-298.	0.5	2
118	Metaheuristics in Telecommunication Systems: Network Design, Routing, and Allocation Problems. IEEE Systems Journal, 2018, 12, 3948-3957.	2.9	17
119	Modeling and solving the non-smooth arc routing problem with realistic soft constraints. Expert Systems With Applications, 2018, 98, 205-220.	4.4	11
120	Supporting Mobile Cloud Computing in Smart Cities via Randomized Algorithms. IEEE Systems Journal, 2018, 12, 1598-1609.	2.9	14
121	A simheuristic algorithm for solving the arc routing problem with stochastic demands. Journal of Simulation, 2018, 12, 53-66.	1.0	52
122	DISTRIBUTION PLANNING IN A WEATHER-DEPENDENT SCENARIO WITH STOCHASTIC TRAVEL TIMES: A SIMHEURISTIC APPROACH. , 2018, , .		2
123	SYMBIOTIC SIMULATION SYSTEM: HYBRID SYSTEMS MODEL MEETS BIG DATA ANALYTICS. , 2018, , .		33
124	AGENT-BASED SIMHEURISTICS: EXTENDING SIMULATION-OPTIMIZATION ALGORITHMS VIA DISTRIBUTED AND PARALLEL COMPUTING. , 2018, , .		2
125	SIMHEURISTICS APPLICATIONS: DEALING WITH UNCERTAINTY IN LOGISTICS, TRANSPORTATION, AND OTHER SUPPLY CHAIN AREAS. , 2018, , .		41
126	THE TEAM ORIENTEERING PROBLEM WITH STOCHASTIC SERVICE TIMES AND DRIVING-RANGE LIMITATIONS: A SIMHEURISTIC APPROACH. , 2018, , .		3

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127	On the Use of Learnheuristics in Vehicle Routing Optimization Problems with Dynamic Inputs. Algorithms, 2018, 11, 208.	1.2	18
128	INTEGRATING BIASED-RANDOMIZED GRASP WITH MONTE CARLO SIMULATION FOR SOLVING THE VEHICLE ROUTING PROBLEM WITH STOCHASTIC DEMANDS. , 2018, , .		8
129	Petri Net Model of a Smart Factory in the Frame of Industry 4.0. IFAC-PapersOnLine, 2018, 51, 266-271.	0.5	33
130	Using Modelling Techniques to Analyze Urban Freight Distribution. A Case Study in Pamplona (Spain). Transportation Research Procedia, 2018, 33, 67-74.	0.8	5
131	A SIMHEURISTIC ALGORITHM FOR SOLVING AN INTEGRATED RESOURCE ALLOCATION AND SCHEDULING PROBLEM. , 2018, , .		3
132	A simheuristic approach for the two-dimensional vehicle routing problem with stochastic travel times. Simulation Modelling Practice and Theory, 2018, 89, 1-14.	2.2	59
133	A 2-stage biased-randomized iterated local search for the uncapacitated single allocation p -hub median problem. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3418.	2.6	5
134	Combining variable neighborhood search with simulation for the inventory routing problem with stochastic demands and stock-outs. Computers and Industrial Engineering, 2018, 123, 278-288.	3.4	61
135	A simheuristic algorithm to set up starting times in the stochastic parallel flowshop problem. Simulation Modelling Practice and Theory, 2018, 86, 55-71.	2.2	53
136	Multi-capacity, Multi-depot, Multi-product VRP with Heterogeneous Fleets and Demand Exceeding Depot Capacity. Advances in Intelligent Systems and Computing, 2018, , 113-123.	0.5	2
137	A Biased-Randomized Heuristic for the Waste Collection Problem in Smart Cities. Advances in Intelligent Systems and Computing, 2018, , 255-263.	0.5	4
138	SmartMonkey: A Web Browser Tool for Solving Combinatorial Optimization Problems in Real Time. Advances in Intelligent Systems and Computing, 2018, , 74-86.	0.5	0
139	A New Randomized Procedure to Solve the Location Routing Problem. Advances in Intelligent Systems and Computing, 2018, , 247-254.	0.5	0
140	Solving the deterministic and stochastic uncapacitated facility location problem: from a heuristic to a simheuristic. Journal of the Operational Research Society, 2017, 68, 1161-1176.	2.1	66
141	Learnheuristics: hybridizing metaheuristics with machine learning for optimization with dynamic inputs. Open Mathematics, 2017, 15, 261-280.	0.5	114
142	A variable neighborhood search approach for the crew pairing problem. Electronic Notes in Discrete Mathematics, 2017, 58, 87-94.	0.4	5
143	Biased randomization of heuristics using skewed probability distributions: A survey and some applications. Computers and Industrial Engineering, 2017, 110, 216-228.	3.4	85
144	Simulation Model of Traffic in Smart Cities for Decision-Making Support: Case Study in Tudela (Navarre, Spain). Lecture Notes in Computer Science, 2017, , 144-153.	1.0	5

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145	Using simheuristics to promote horizontal collaboration in stochastic city logistics. Progress in Artificial Intelligence, 2017, 6, 275-284.	1.5	20
146	A biased-randomized metaheuristic for the vehicle routing problem with clustered and mixed backhauls. Networks, 2017, 69, 241-255.	1.6	8
147	A biased-randomized simheuristic for the distributed assembly permutation flowshop problem with stochastic processing times. Simulation Modelling Practice and Theory, 2017, 79, 23-36.	2.2	88
148	Supporting multi-depot and stochastic waste collection management in clustered urban areas via simulation-optimization. Journal of Simulation, 2017, 11, 11-19.	1.0	56
149	A multi-start randomized heuristic for real-life crew rostering problems in airlines with work-balancing goals. Annals of Operations Research, 2017, 258, 825-848.	2.6	14
150	A biased-randomized metaheuristic for the capacitated location routing problem. International Transactions in Operational Research, 2017, 24, 1079-1098.	1.8	49
151	A simheuristic approach for freight transportation in smart cities. , 2017, , .		5
152	A simheuristic approach for resource allocation in volunteer computing. , 2017, , .		3
153	A simheuristic approach for the stochastic team orienteering problem. , 2017, , .		5
154	Using simulation to estimate evacuation times in large-size aircrafts: A case study with simio. , 2017, , .		4
155	Using simulation to estimate critical paths and survival functions in aircraft turnaround processes. , 2017, , .		4
156	Games and simulation in higher education. International Journal of Educational Technology in Higher Education, 2017, 14, .	4.5	24
157	Waste collection under uncertainty: a simheuristic based on variable neighbourhood search. European Journal of Industrial Engineering, 2017, 11, 228.	0.5	41
158	Using biased randomization for solving the two-dimensional loading vehicle routing problem with heterogeneous fleet. Annals of Operations Research, 2016, 236, 383-404.	2.6	52
159	Electric Vehicles in Logistics and Transportation: A Survey on Emerging Environmental, Strategic, and Operational Challenges. Energies, 2016, 9, 86.	1.6	125
160	A discrete-event driven metaheuristic for dynamic home service routing with synchronised trip sharing. European Journal of Industrial Engineering, 2016, 10, 323.	0.5	63
161	Enriching Simheuristics with Petri net models: Potential applications to logistics and supply chain management. , 2016, , .		2
162	A multi-start simheuristic for the stochastic two-dimensional vehicle routing problem. , 2016, , .		6

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163	Combining Monte Carlo simulation with heuristics to solve a rich and real-life multi-depot vehicle routing problem. , 2016, , .		1
164	Combining simulation with metaheuristics in distributed scheduling problems with stochastic processing times. , 2016, , .		2
165	Combining simulation with a GRASP metaheuristic for solving the permutation flow-shop problem with stochastic processing times. , 2016, , .		3
166	Optimizing Airline Crew Scheduling Using Biased Randomization: A Case Study. Lecture Notes in Computer Science, 2016, , 331-340.	1.0	1
167	Quantifying Potential Benefits of Horizontal Cooperation in Urban Transportation Under Uncertainty: A Simheuristic Approach. Lecture Notes in Computer Science, 2016, , 280-289.	1.0	6
168	Solving Realistic Portfolio Optimization Problems via Metaheuristics: A Survey and an Example. Lecture Notes in Business Information Processing, 2016, , 22-30.	0.8	3
169	A Simheuristic for the Heterogeneous Site-Dependent Asymmetric VRP with Stochastic Demands. Lecture Notes in Computer Science, 2016, , 408-417.	1.0	7
170	A simheuristic algorithm for Horizontal Cooperation in urban distribution: Application to a case study in COLOMBIA. , 2016, , .		6
171	A Biased-Randomised Large Neighbourhood Search for the two-dimensional Vehicle Routing Problem with Backhauls. European Journal of Operational Research, 2016, 255, 442-462.	3.5	67
172	Behavioral Factors in City Logistics from an Operations Research Perspective. Lecture Notes in Computer Science, 2016, , 32-41.	1.0	1
173	SimILS: a simulation-based extension of the iterated local search metaheuristic for stochastic combinatorial optimization. Journal of Simulation, 2016, 10, 69-77.	1.0	50
174	Combining statistical learning with metaheuristics for the Multi-Depot Vehicle Routing Problem with market segmentation. Computers and Industrial Engineering, 2016, 94, 93-104.	3.4	56
175	A multi-agent based cooperative approach to scheduling and routing. European Journal of Operational Research, 2016, 254, 169-178.	3.5	72
176	A BRILS metaheuristic for non-smooth flow-shop problems with failure-risk costs. Expert Systems With Applications, 2016, 44, 177-186.	4.4	35
177	An ILS-biased randomization algorithm for the two-dimensional loading HFVRP with sequential loading and items rotation. Journal of the Operational Research Society, 2016, 67, 37-53.	2.1	34
178	A SimILS-Based Methodology for a Portfolio Optimization Problem with Stochastic Returns. Lecture Notes in Business Information Processing, 2016, , 3-11.	0.8	1
179	Dynamic programming of flights based on stochastic demands. , 2015, , .		0
180	Educational Data Mining and Learning Analytics: differences, similarities, and time evolution. RUSC Universities and Knowledge Society Journal, 2015, 12, 98.	1.4	69

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181	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.	1.8	48
182	Simulation of the airbus 380 evacuation. , 2015, , .		0
183	A review of simheuristics: Extending metaheuristics to deal with stochastic combinatorial optimization problems. <i>Operations Research Perspectives</i> , 2015, 2, 62-72.	1.2	295
184	Rich Vehicle Routing Problem. <i>ACM Computing Surveys</i> , 2015, 47, 1-28.	16.1	201
185	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.	1.8	98
186	Risk Scoring Models for Trade Credit in Small and Medium Enterprises. <i>Springer Proceedings in Mathematics and Statistics</i> , 2015, , 349-360.	0.1	7
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