Thomas Hanne

List of Publications by Year
in descending order

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79 papers	934 citations	586496 16 h-index	563245 28 g-index
93 all docs	93 docs citations	93 times ranked	773 citing authors

#	Article	IF	Citations
1	Off-line signature verification using elementary combinations of directional codes from boundary pixels. Neural Computing and Applications, 2023, 35, 4939-4956.	3.2	6
2	Gaussian relevance vector MapReduce-based annealed Glowworm optimization for big medical data scheduling. Journal of the Operational Research Society, 2022, 73, 2204-2215.	2.1	2
3	Supplier selection in the oil & gas industry: A comprehensive approach for Multi-Criteria Decision Analysis. Socio-Economic Planning Sciences, 2022, 79, 101142.	2.5	37
4	Analyzing the Investment Behavior in the Iranian Stock Exchange during the COVID-19 Pandemic Using Hybrid DEA and Data Mining Techniques. Mathematical Problems in Engineering, 2022, 2022, 1-16.	0.6	3
5	Robust Detection of Tables in Documents Using Scores from Table Cell Cores. SN Computer Science, 2022, 3, .	2.3	3
6	Comparison of Ant Colony Optimization Algorithms for Small-Sized Travelling Salesman Problems. Lecture Notes in Networks and Systems, 2022, , 15-23.	0.5	0
7	Ranking performance indicators related to banking by using hybrid multicriteria methods in an uncertain environment: a case study for Iran under COVID-19 conditions. Systems Science and Control Engineering, 2022, 10, 166-180.	1.8	8
8	Identifying and prioritizing export-related CSFs of steel products using hybrid multi-criteria methods. Cogent Engineering, 2022, 9, .	1.1	2
9	Requirements Engineering in Agile Software Startups - Insights from Multiple Case Studies. Lecture Notes in Networks and Systems, 2021, , 564-577.	0.5	0
10	Hybrid Genetic Algorithms to Solve the Traveling Salesman Problem. Advances in Intelligent Systems and Computing, 2021, , 223-233.	0.5	0
11	Solving Inventory Routing Problems with the Gurobi Branch-and-Cut Algorithm. Communications in Computer and Information Science, 2021, , 173-189.	0.4	0
12	A hybrid model for ranking critical successful factors of Lean Six Sigma in the oil and gas industry. TQM Journal, 2021, ahead-of-print, .	2.1	4
13	Improved Path Planning with Memory Efficient A* Algorithm and Optimization of Narrow Passages. Advances in Intelligent Systems and Computing, 2021, , 73-84.	0.5	0
14	Text Mining Innovation for Business. Studies in Systems, Decision and Control, 2021, , 49-61.	0.8	2
15	Adapting the Teaching of Computational Intelligence Techniques to Improve Learning Outcomes. Studies in Systems, Decision and Control, 2021, , 113-129.	0.8	1
16	Ensemble-Based Machine Learning for Predicting Sudden Human Fall Using Health Data. Mathematical Problems in Engineering, 2021, 2021, 1-12.	0.6	2
17	Freelancers in the Software Development Process: A Systematic Mapping Study. Processes, 2020, 8, 1215.	1.3	17
18	Requirements Engineering in Software Startups: A Systematic Mapping Study. Applied Sciences (Switzerland), 2020, 10, 6125.	1.3	37

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19	Fostering product innovations in software startups through freelancer supported requirement engineering. Results in Engineering, 2020, 8, 100175.	2.2	23
20	A decision-support approach under uncertainty for evaluating reverse logistics capabilities of healthcare providers in Iran. Journal of Enterprise Information Management, 2020, 33, 991-1022.	4.4	12
21	Freelancing Models for Fostering Innovation and Problem Solving in Software Startups: An Empirical Comparative Study. Sustainability, 2020, 12, 10106.	1.6	22
22	Fostering Continuous Value Proposition Innovation through Freelancer Involvement in Software Startups: Insights from Multiple Case Studies. Sustainability, 2020, 12, 8922.	1.6	24
23	Special issue of 2017 India International Congress on Computational Intelligence. Neural Computing and Applications, 2020, 32, 10797-10798.	3.2	0
24	A binary differential evolution algorithm for airline revenue management: a case study. Soft Computing, 2020, 24, 14221-14234.	2.1	7
25	Comparison of Swarm and Graph Algorithms for Solving Travelling Salesman Problems. , 2020, , .		2
26	A Multi-Threaded Cuckoo Search Algorithm for the Capacitated Vehicle Routing Problem. , 2020, , .		1
27	EVALUATING THE PERFORMANCE OF COLOMBIAN BANKS BY HYBRID MULTICRITERIA DECISION MAKING METHODS. Journal of Business Economics and Management, 2020, 21, 1707-1730.	1.1	10
28	Best-Match in a Set of Single-Vehicle Dynamic Pickup and Delivery Problem Using Ant Colony Optimization. , 2020, , .		0
29	Hybridized White Learning in Cloud-Based Picture Archiving and Communication System for Predictability and Interpretability. Lecture Notes in Computer Science, 2020, , 511-521.	1.0	0
30	A Credit Rating Model in a Fuzzy Inference System Environment. Algorithms, 2019, 12, 139.	1.2	5
31	Optimization of Multi-Robot Sumo Fight Simulation by a Genetic Algorithm to Identify Dominant Robot Capabilities. , 2019, , .		2
32	Attraction and diffusion in nature-inspired optimization algorithms. Neural Computing and Applications, 2019, 31, 1987-1994.	3.2	20
33	Gig Work Business Process Improvement. , 2018, , .		4
34	Multilingual Sentiment Analysis for a Swiss Gig. , 2018, , .		7
35	Finding the Best Third-Party Logistics in the Automobile Industry: A Hybrid Approach. Mathematical Problems in Engineering, 2018, 2018, 1-19.	0.6	14
36	Gaussian Guided Self-Adaptive Wolf Search Algorithm Based on Information Entropy Theory. Entropy, 2018, 20, 37.	1.1	3

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37	Emotion Influenced Robotic Path Planning. , 2017, , .		1
38	Computational Intelligence in Logistics and Supply Chain Management. Profiles in Operations Research, 2017, , .	0.3	16
39	Transportation Problems. Profiles in Operations Research, 2017, , 43-71.	0.3	1
40	Variation of ant colony optimization parameters for solving the travelling salesman problem. , 2017, , .		8
41	A novel backup path planning approach with ACO. , 2017, , .		3
42	Rescue path optimization using ant colony systems. , 2017, , .		3
43	A distance-based pareto evolutionary algorithm based on SPEA for combinatorial problems. , 2016, , .		1
44	Eidetic Wolf Search Algorithm with a global memory structure. European Journal of Operational Research, 2016, 254, 19-28.	3.5	10
45	Recent advances in machine intelligence. Soft Computing, 2016, 20, 3347-3348.	2.1	3
46	A heuristic comparison framework for solving the Two-Echelon Vehicle Routing Problem. , 2016, , .		4
47	Invasive weed optimization for solving index tracking problems. Soft Computing, 2016, 20, 3393-3401.	2.1	7
48	Facility Layout Planning Using Fuzzy Closeness Computation and a Genetic Algorithm. , 2015, , .		3
49	Effects of Weight Initialization in a Feedforward Neural Network for Classification Using a Modified Genetic Algorithm. , 2015, , .		8
50	Optimization of the picking sequence of an automated storage and retrieval system (AS/RS). , 2014, , .		6
51	Optimization problems in airline and railway planning - a comparative survey. , 2010, , .		3
52	The way to an open-source software for automated optimization and learning — OpenOpal. , 2010, , .		11
53	Optimizing staff rosters for emergency shifts for doctors. , 2009, , .		7
54	Multiobjective and preference-based decision support for rail crew rostering. , 2009, , .		10

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55	On Utilizing Infeasibility in Multiobjective Evolutionary Algorithms. Lecture Notes in Economics and Mathematical Systems, 2009, , 113-122.	0.3	2
56	Bringing Robustness to Patient Flow Management Through Optimized Patient Transports in Hospitals. Interfaces, 2009, 39, 241-255.	1.6	82
57	Single and multiobjective optimization of the train staff planning problem using genetic algorithms. , 2008, , .		12
58	Some Aspects of Polytope Degeneracy in Multicriteria Decision Making. , 2008, , 303-312.		0
59	A primal-dual multiobjective evolutionary algorithm for approximating the efficient set. , 2007, , .		4
60	A multiobjective evolutionary algorithm for approximating the efficient set. European Journal of Operational Research, 2007, 176, 1723-1734.	3.5	36
61	Nonessential objectives within network approaches for MCDM. European Journal of Operational Research, 2006, 168, 584-592.	3.5	24
62	Interactive Decision Support Based on Multiobjective Evolutionary Algorithms. , 2006, , 761-766.		3
63	A multiobjective evolutionary algorithm for scheduling and inspection planning in software development projects. European Journal of Operational Research, 2005, 167, 663-678.	3.5	65
64	knowCube: a visual and interactive support for multicriteria decision making. Computers and Operations Research, 2005, 32, 1289-1309.	2.4	34
65	Scheduling in Software Development Using Multiobjective Evolutionary Algorithms. , 2005, , 57-81.		1
66	Global Multiobjective Optimization with Evolutionary Algorithms: Selection Mechanisms and Mutation Control. Lecture Notes in Computer Science, 2001, , 197-212.	1.0	24
67	Intelligent Strategies for Meta Multiple Criteria Decision Making. Profiles in Operations Research, 2001, , .	0.3	26
68	Examples of the Application of Loops. Profiles in Operations Research, 2001, , 99-133.	0.3	0
69	Neural Networks and Evolutionary Learning for MCDM. Profiles in Operations Research, 2001, , 47-62.	0.3	0
70	Critical RÃ©sume and Outlook. Profiles in Operations Research, 2001, , 135-139.	0.3	0
71	Critical Discourse on the MCDM Methodology and the Meta Decision Problem in MCDM. Profiles in Operations Research, 2001, , 15-45.	0.3	0
72	On the Combination of MCDM Methods. Profiles in Operations Research, 2001, , 63-78.	0.3	0

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73	Loops â€" an Object Oriented DSS for Solving Meta Decision Problems. Profiles in Operations Research, 2001, , 79-98.	0.3	0
74	Global Multiobjective Optimization Using Evolutionary Algorithms. Journal of Heuristics, 2000, 6, 347-360.	1.1	43
75	On the convergence of multiobjective evolutionary algorithms. European Journal of Operational Research, 1999, 117, 553-564.	3.5	153
76	Consequences of dropping nonessential objectives for the application of MCDM methods. European Journal of Operational Research, 1999, 119, 373-378.	3.5	23
77	Concepts of a Learning Object-Oriented Problem Solver (LOOPS). Lecture Notes in Economics and Mathematical Systems, 1997, , 330-339.	0.3	3
78	Decision Support for MCDM That Is Neural Network-Based and Can Learn. , 1997, , 401-410.		4
79	Die Integration von Multikriteria-Verfahren insbesondere mittels neuronaler Netze. OR Spectrum, 1994, 16, 277-283.	2.1	4