Andreas Beham

List of Publications by Year
in descending order

75 papers	1,057 citations	1162889 8 h-index	642610 23 g-index
85 all docs	85 docs citations	85 times ranked	899 citing authors

#	Article	IF	Citations
1	Fitness Landscape Analysis on Binary Dynamic Optimization Problems. Procedia Computer Science, 2022, 200, 1004-1013.	1.2	3
2	Integrated Machine Learning in Open-Ended Crane Scheduling: Learning Movement Speeds and Service Times. Procedia Computer Science, 2022, 200, 1031-1040.	1.2	2
3	Dynamic Warehouse Environments for Crane Stacking and Scheduling. Procedia Computer Science, 2022, 200, 1461-1470.	1.2	6
4	Service level improvement due to worker cross training with stochastic worker absence. International Journal of Production Research, 2021, 59, 4416-4433.	4.9	6
5	Simulation-based optimisation for worker cross-training. International Journal of Simulation and Process Modelling, 2021, 16, 185.	0.1	0
6	Dynamic online optimization in the context of smart manufacturing: an overview. Procedia Computer Science, 2021, 180, 988-995.	1.2	4
7	Dynamic landscape analysis for open-ended stacking. , 2021, , .		2
8	Resource-constrained multi-project scheduling with activity and time flexibility. Computers and Industrial Engineering, 2020, 150, 106857.	3.4	18
9	Performance, Quality, and Control in Steel Logistics 4.0. Procedia Manufacturing, 2020, 42, 429-433.	1.9	11
10	Solution approaches for the dynamic stacking problem. , 2020, , .		4
11	Surrogate-Assisted Multi-Objective Parameter Optimization for Production Planning Systems. Lecture Notes in Computer Science, 2020, , 239-246.	1.0	1
12	Uncertainty in real-world steel stacking problems. , 2019, , .		6
13	Information Systems for Steel Production: The Importance of Resilience. Lecture Notes in Computer Science, 2019, , 45-54.	1.0	1
14	Influence of Workforce Qualification on Service Level in a Flow Shop with two Lines. IFAC-PapersOnLine, 2019, 52, 553-558.	0.5	6
15	Approximate Q-Learning for Stacking Problems with Continuous Production and Retrieval. Applied Artificial Intelligence, 2019, 33, 68-86.	2.0	3
16	Analysing a Hybrid Model-Based Evolutionary Algorithm for a Hard Grouping Problem. Lecture Notes in Computer Science, 2018, , 347-354.	1.0	0
17	Optimization Networks for Integrated MachineÂLearning. Lecture Notes in Computer Science, 2018, , 392-399.	1.0	1
18	A General Solution Approach for the Location Routing Problem. Lecture Notes in Computer Science, 2018, , 257-265.	1.0	1

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19	New insights on the block relocation problem. Computers and Operations Research, 2018, 89, 127-139.	2.4	47
20	REGRESSION METHODS FOR SURROGATE MODELING OF A REAL PRODUCTION SYSTEM APPROXIMATING THE INFLUENCE ON INVENTORY AND TARDINESS. , 2018, , .		3
21	Algorithm selection on generalized quadratic assignment problem landscapes. , 2018, , .		6
22	Solving a real world steel stacking problem. International Journal of Service and Computing Oriented Manufacturing, 2018, 3, 94.	0.2	7
23	Discrete real-world problems in a black-box optimization benchmark. , 2018, , .		2
24	Asynchronous surrogate-assisted optimization networks. , 2018, , .		0
25	Integrating Exploratory Landscape Analysis into Metaheuristic Algorithms. Lecture Notes in Computer Science, 2018, , 473-480.	1.0	0
26	Instance-based algorithm selection on quadratic assignment problem landscapes. , 2017, , .		7
27	Optimization networks for real-world production and logistics problems. , 2017, , .		2
28	Towards the design and implementation of optimization networks in HeuristicLab. , 2017, , .		6
29	Extending Sim# for simulation-based optimisation of semi-automated machinery. International Journal of Simulation and Process Modelling, 2017, 12, 485.	0.1	1
30	Enterprise Interoperability as Framework for Project Knowledge Management. Lecture Notes in Computer Science, 2017, , 190-199.	1.0	2
31	Integrated Performance Measurement for Optimization Networks in Smart Enterprises. Lecture Notes in Computer Science, 2017, , 26-35.	1.0	2
32	Extending Sim# for simulation-based optimisation of semi-automated machinery. International Journal of Simulation and Process Modelling, 2017, 12, 485.	0.1	0
33	Optimization Knowledge Center. , 2016, , .		2
34	Cyclic scheduling of a robotic cell. , 2016, , .		6
35	Simulation-Based Optimization withÂHeuristicLab: Practical Guidelines andÂReal-World Applications. , 2015, , 3-38.		9
36	Simplifying Problem Definitions in the HeuristicLab Optimization Environment. , 2015, , .		1

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37	Metaheuristic Algorithms for the Quadratic Assignment Problem: Performance and Comparison. Topics in Intelligent Engineering and Informatics, 2015, , 171-190.	0.4	0
38	Robust Storage Assignment in Warehouses with Correlated Demand. Studies in Computational Intelligence, 2015, , 415-428.	0.7	7
39	Complexity Measures for Multi-objective Symbolic Regression. Lecture Notes in Computer Science, 2015, , 409-416.	1.0	4
40	Modeling a Lot-Aware Slab Stack Shuffling Problem. Lecture Notes in Computer Science, 2015, , 334-341.	1.0	0
41	Scripting and framework integration in heuristic optimization environments. , 2014, , .		1
42	Correlation of Problem Hardness and Fitness Landscapes in the Quadratic Assignment Problem. Topics in Intelligent Engineering and Informatics, 2014, , 165-195.	0.4	1
43	Affinity Based Slotting in Warehouses with Dynamic Order Patterns. Topics in Intelligent Engineering and Informatics, 2014, , 123-143.	0.4	6
44	Software-Enabled Investigation in Metaheuristic Power Grid Optimization. IEEE Transactions on Industrial Informatics, 2014, 10, 364-372.	7.2	4
45	Simulation-based evolution of resupply and routing policies in rich vendor-managed inventory scenarios. Central European Journal of Operations Research, 2013, 21, 379-400.	1.1	13
46	Automatic Algorithm Selection for the Quadratic Assignment Problem Using Fitness Landscape Analysis. Lecture Notes in Computer Science, 2013, , 109-120.	1.0	9
47	Fitness Landscape Based Parameter Estimation for Robust Taboo Search. Lecture Notes in Computer Science, 2013, , 292-299.	1.0	2
48	Generic hardness estimation using fitness and parameter landscapes applied to robust taboo search and the quadratic assignment problem. , 2012, , .		7
49	Integration of flexible interfaces in optimization software frameworks for simulation-based optimization. , 2012, , .		7
50	Optimizing assembly line supply by integrating warehouse picking and forklift routing using simulation. , 2012, , .		7
51	Modelling and optimizing storage assignment in a steel slab yard. , 2012, , .		5
52	Comprehensive and Automatic Fitness Landscape Analysis Using HeuristicLab. Lecture Notes in Computer Science, 2012, , 424-431.	1.0	7
53	Knowledge Discovery through Symbolic Regression with HeuristicLab. Lecture Notes in Computer Science, 2012, , 824-827.	1.0	5
54	Analysis of Allele Distribution Dynamics in Different Genetic Algorithms. Studies in Computational Intelligence, 2012, , 3-29.	0.7	0

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55	Combination and Comparison of Different Genetic Encodings for the Vehicle Routing Problem. Lecture Notes in Computer Science, 2012, , 327-334.	1.0	1
56	Production fine planning using a solution archive of priority rules. , 2011, , .		9
57	Re-warehousing vs. healing: Strategies for warehouse storage location assignment. , 2011, , .		18
58	Simulation-based evolution of municipal glass-waste collection strategies utilizing electric trucks. , 2011, , .		10
59	Solving large-scale vehicle routing problem instances using an island-model offspring selection genetic algorithm. , 2011, , .		7
60	A new metric to measure distances between solutions to the Quadratic Assignment Problem. , 2011, , .		3
61	Analysis of the dynamics of allele distribution for some selected GA-variants. , 2010, , .		1
62	A closer look down the basins of attraction. , 2010, , .		10
63	Metaheuristic Optimization. , 2010, , 103-155.		0
64	Coupling simulation with HeuristicLab to solve facility layout problems. , 2009, , .		4
65	Priority Rule Generation with a Genetic Algorithm to Minimize Sequence Dependent Setup Costs. Lecture Notes in Computer Science, 2009, , 817-824.	1.0	12
66	About the dynamics of essential genetic information. , 2009, , .		1
67	Agent-Based Simulation of Dispatching Rules in Dynamic Pickup and Delivery Problems. , 2009, , .		6
68	Evaluation of Dispatching Strategies for the Optimization of a Real-World Production Plant. , 2009, , .		2
69	Model Driven Rapid Prototyping of Heuristic Optimization Algorithms. Lecture Notes in Computer Science, 2009, , 729-736.	1.0	6
70	On the Success Rate of Crossover Operators for Genetic Programming with Offspring Selection. Lecture Notes in Computer Science, 2009, , 793-800.	1.0	1
71	AbYSS: Adapting Scatter Search to Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2008, 12, 439-457.	7.5	297
72	A comparative study of genetic algorithm components in simulation-based optimisation. , 2008, , .		15

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73	A genetic programming approach to solve scheduling problems with parallel simulation. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , .	1.0	8
74	Parallel Tabu Search and the Multiobjective Vehicle Routing Problem with Time Windows. , 2007, , .		3
75	Benefits of Plugin-Based Heuristic Optimization Software Systems. , 2007, , 747-754.		18