Mehmet Fatih Tasgetiren

List of Publications by Year in Descending Order

126 papers	5,089 citations	31 h-index	70 g-index
133 ext. papers	5,911 ext. citations	4.2 avg, IF	6.09 L-index

#	Paper	IF	Citations
126	Optimising High-Rise Buildings for Self-Sufficiency in Energy Consumption and Food Production Using Artificial Intelligence: Case of Europoint Complex in Rotterdam. *Energies*, **2022**, 15, 660	3.1	1
125	An evolution strategy approach for the distributed permutation flowshop scheduling problem with sequence-dependent setup times. *Computers and Operations Research*, **2022**, 142, 105733	4.6	2
124	Optimal Design of new Hospitals: A Computational Workflow for Stacking, Zoning, and Routing. *Automation in Construction*, **2022**, 134, 104102	9.6	0
123	Control of PV integrated shading devices in buildings: A review. *Building and Environment*, **2022**, 214, 108961	6.5	1
122	Intelligent Valid Inequalities for No-Wait Permutation Flowshop Scheduling Problems. *Lecture Notes in Networks and Systems*, **2022**, 914-922	0.5	1
121	An Evolution Strategy Approach for the Distributed Blocking Flowshop Scheduling Problem. *Computers and Industrial Engineering*, **2021**, 107832	6.4	3
120	Metaheuristics with restart and learning mechanisms for the no-idle flowshop scheduling problem with makespan criterion. *Computers and Operations Research*, **2021**, 138, 105616	4.6	5
119	A Variable Block Insertion Heuristic for the Energy-Efficient Permutation Flowshop Scheduling with Makespan Criterion. *Studies in Computational Intelligence*, **2021**, 33-49	0.8	
118	A discrete artificial bee colony algorithm for distributed hybrid flowshop scheduling problem with sequence-dependent setup times. *International Journal of Production Research*, **2021**, 59, 3880-3899	7.8	22
117	Modeling and optimization of multiple traveling salesmen problems: An evolution strategy approach. *Computers and Operations Research*, **2021**, 129, 105192	4.6	7
116	Multi-performance based computational model for the cuboid open traveling salesman problem in a smart floating city. *Building and Environment*, **2021**, 196, 107721	6.5	2
115	An Adaptive Iterated Greedy algorithm for distributed mixed no-idle permutation flowshop scheduling problems. *Swarm and Evolutionary Computation*, **2021**, 63, 100874	9.8	9
114	An effective iterated greedy algorithm for solving a multi-compartment AGV scheduling problem in a matrix manufacturing workshop. *Applied Soft Computing Journal*, **2021**, 99, 106945	7.5	9
113	Multi-zone optimisation of high-rise buildings using artificial intelligence for sustainable metropolises. Part 1: Background, methodology, setup, and machine learning results. *Solar Energy*, **2021**, 224, 373-389	6.8	9
112	Multi-zone optimisation of high-rise buildings using artificial intelligence for sustainable metropolises. Part 2: Optimisation problems, algorithms, results, and method validation. *Solar Energy*, **2021**, 224, 309-326	6.8	4
111	A green scheduling algorithm for the distributed flowshop problem. *Applied Soft Computing Journal* , **2021**, 109, 107526	7.5	4
110	Hospital layout design renovation as a Quadratic Assignment Problem with geodesic distances. *Journal of Building Engineering*, **2021**, 44, 102952	5.2	3

109	A discrete event simulation procedure for validating programs of requirements: The case of hospital space planning. *SoftwareX*, **2020**, 12, 100539	2.7	3
108	An Effective Discrete Artificial Bee Colony Algorithm for Scheduling an Automatic-Guided-Vehicle in a Linear Manufacturing Workshop. *IEEE Access*, **2020**, 8, 35063-35076	3.5	9
107	Ensemble of metaheuristics for energy-efficient hybrid flowshops: Makespan versus total energy consumption. *Swarm and Evolutionary Computation*, **2020**, 54, 100660	9.8	11
106	An energy-efficient permutation flowshop scheduling problem. *Expert Systems With Applications*, **2020**, 150, 113279	7.8	23
105	An energy-efficient bi-objective no-wait permutation flowshop scheduling problem to minimize total tardiness and total energy consumption. *Computers and Industrial Engineering*, **2020**, 145, 106431	6.4	23
104	. *IEEE Access*, **2020**, 8, 86448-86467	3.5	79
103	An iterated greedy algorithm for the distributed permutation flowshop scheduling problem with preventive maintenance to minimize total flowtime **2020**,		6
102	An Iterated Greedy Algorithm for Distributed Blocking Flowshop Problems with Makespan Minimization **2020**,		2
101	Energy-efficient distributed permutation flow shop scheduling problem using a multi-objective whale swarm algorithm. *Swarm and Evolutionary Computation*, **2020**, 57, 100716	9.8	37
100	An evolution strategy approach to the team orienteering problem with time windows. *Computers and Industrial Engineering*, **2020**, 139, 106109	6.4	9
99	An improved discrete artificial bee colony algorithm for the distributed permutation flowshop scheduling problem with preventive maintenance **2020**,		3
98	An iterated local search algorithm for distributed assembly permutation flowshop problem **2020**,		2
97	Metaheuristics for Energy-Efficient No-Wait Flowshops: A Trade-off Between Makespan and Total Energy Consumption **2020**,		4
96	A Novel General Variable Neighborhood Search through Q-Learning for No-Idle Flowshop Scheduling **2020**,		2
95	A Differential Evolution Algorithm with Q-Learning for Solving Engineering Design Problems **2020**,		4
94	A Variable Block Insertion Heuristic for Solving Permutation Flow Shop Scheduling Problem with Makespan Criterion. *Algorithms*, **2019**, 12, 100	1.8	13
93	Multi-objective energy and daylight optimization of amorphous shading devices in buildings. *Solar Energy*, **2019**, 185, 100-111	6.8	51
92	OPTIMUS: Self-Adaptive Differential Evolution with Ensemble of Mutation Strategies for Grasshopper Algorithmic Modeling. *Algorithms*, **2019**, 12, 141	1.8	15

91	Metaheuristic algorithms for the hybrid flowshop scheduling problem. *Computers and Operations Research*, **2019**, 111, 177-196	4.6	32
90	A Discrete Artificial Bee Colony Algorithm for the Energy-Efficient No-Wait Flowshop Scheduling Problem. *Procedia Manufacturing*, **2019**, 39, 1223-1231	1.5	3
89	A General Variable Neighborhood Search for the NoIdle Flowshop Scheduling Problem with Makespan Criterion **2019**,		1
88	An Artificial Bee Colony Algorithm for the Distributed Hybrid Flowshop Scheduling Problem. *Procedia Manufacturing*, **2019**, 39, 1158-1166	1.5	6
87	An Ensemble of Meta-Heuristics for the Energy-Efficient Blocking Flowshop Scheduling Problem. *Procedia Manufacturing*, **2019**, 39, 1177-1184	1.5	3
86	An Effective Multi-Objective Artificial Bee Colony Algorithm for Energy Efficient Distributed Job Shop Scheduling. *Procedia Manufacturing*, **2019**, 39, 1194-1203	1.5	11
85	A Memetic Algorithm for the Bi-Objective Quadratic Assignment Problem. *Procedia Manufacturing*, **2019**, 39, 1215-1222	1.5	3
84	A Methodology for daylight optimisation of high-rise buildings in the dense urban district using overhang length and glazing type variables with surrogate modelling. *Journal of Physics: Conference Series*, **2019**, 1343, 012133	0.3	3
83	Structural Optimization for Masonry Shell Design Using Multi-objective Evolutionary Algorithms. *Management and Industrial Engineering*, **2019**, 85-119	0.2	
82	Iterated greedy algorithms for the hybrid flowshop scheduling with total flow time minimization **2018**,		3
81	An energy-efficient single machine scheduling with release dates and sequence-dependent setup times **2018**,		5
80	Energy-Efficient Single Machine Total Weighted Tardiness Problem with Sequence-Dependent Setup Times. *Lecture Notes in Computer Science*, **2018**, 746-758	0.9	5
79	Green Permutation Flowshop Scheduling: A Trade- off- Between Energy Consumption and Total Flow Time. *Lecture Notes in Computer Science*, **2018**, 753-759	0.9	4
78	A variable block insertion heuristic for permutation flowshops with makespan criterion **2017**,		2
77	Variable block insertion heuristic for the quadratic assignment problem **2017**,		2
76	Design of multi-product multi-period two-echelon supply chain network to minimize bullwhip effect through differential evolution **2017**,		2
75	Iterated greedy algorithms for the blocking flowshop scheduling problem with makespan criterion. *Computers and Operations Research*, **2017**, 77, 111-126	4.6	70
74	Artificial bee colony algorithm for scheduling and rescheduling fuzzy flexible job shop problem with new job insertion. *Knowledge-Based Systems*, **2016**, 109, 1-16	7.3	87

73	A Multi-Objective Harmony Search Algorithm for Sustainable Design of Floating Settlements. *Algorithms*, **2016**, 9, 51	1.8	10
72	A Variable Block Insertion Heuristic for the Blocking Flowshop Scheduling Problem with Total Flowtime Criterion. *Algorithms*, **2016**, 9, 71	1.8	21
71	A memetic algorithm with a variable block insertion heuristic for single machine total weighted tardiness problem with sequence dependent setup times **2016**,		6
70	Multi-objective harmony search algorithm for layout design in theatre hall acoustics **2016**,		5
69	A multi-objective self-adaptive differential evolution algorithm for conceptual high-rise building design **2016**,		5
68	A discrete artificial bee colony algorithm for the permutation flowshop scheduling problem with sequence-dependent setup times **2016**,		8
67	An ensemble of differential evolution algorithms with variable neighborhood search for constrained function optimization **2016**,		2
66	Multi-objective optimization through differential evolution for restaurant design **2016**,		4
65	An effective discrete harmony search algorithm for flexible job shop scheduling problem with fuzzy processing time. *International Journal of Production Research*, **2015**, 53, 5896-5911	7.8	41
64	Addressing the high-rise form finding problem by evolutionary computation **2015**,		5
63	Evolutionary computation for architectural design of restaurant layouts **2015**,		5
62	A populated local search with differential evolution for blocking flowshop scheduling problem **2015**,		4
61	Effective ensembles of heuristics for scheduling flexible job shop problem with new job insertion. *Computers and Industrial Engineering*, **2015**, 90, 107-117	6.4	38
60	A differential evolution algorithm with variable neighborhood search for multidimensional knapsack problem **2015**,		8
59	Identification of sustainable designs for floating settlements using computational design techniques **2015**,		6
58	A Differential Evolution Algorithm with a Variable Neighborhood Search for Constrained Function Optimization. *Adaptation, Learning, and Optimization*, **2015**, 171-184	0.7	5
57	A variable iterated greedy algorithm for the traveling salesman problem with time windows. *Information Sciences*, **2014**, 279, 383-395	7.7	31
56	An iterated greedy algorithm for the hybrid flowshop problem with makespan criterion **2014**,		5

55	**2014**,		3
54	A discrete artificial bee colony algorithm for the Economic Lot Scheduling problem with returns **2014**,		1
53	An artificial bee colony algorithm for the economic lot scheduling problem. *International Journal of Production Research*, **2014**, 52, 1150-1170	7.8	24
52	A discrete artificial bee colony algorithm for the multi-objective flexible job-shop scheduling problem with maintenance activities. *Applied Mathematical Modelling*, **2014**, 38, 1111-1132	4.5	194
51	A variable iterated greedy algorithm with differential evolution for the no-idle permutation flowshop scheduling problem. *Computers and Operations Research*, **2013**, 40, 1729-1743	4.6	77
50	Null control in linear antenna arrays with ensemble differential evolution **2013**,		1
49	Metaheuristic algorithms for the quadratic assignment problem **2013**,		6
48	A discrete artificial bee colony algorithm for the team orienteering problem with time windows **2013**,		5
47	A discrete artificial bee colony algorithm for the no-idle permutation flowshop scheduling problem with the total tardiness criterion. *Applied Mathematical Modelling*, **2013**, 37, 6758-6779	4.5	92
46	Ensemble of differential evolution algorithms for electromagnetic target recognition problem. *IET Radar, Sonar and Navigation*, **2013**, 7, 780-788	1.4	6
45	A Populated Iterated Greedy Algorithm with Inver-Over Operator for Traveling Salesman Problem. *Lecture Notes in Computer Science*, **2013**, 1-12	0.9	1
44	A General Variable Neighborhood Search Algorithm for the No-Idle Permutation Flowshop Scheduling Problem. *Lecture Notes in Computer Science*, **2013**, 24-34	0.9	9
43	A discrete artificial bee colony algorithm for the traveling salesman problem with time windows **2012**,		6
42	A Genetic Algorithm for the Economic Lot Scheduling Problem under Extended Basic Period Approach and Power-of-Two Policy. *Lecture Notes in Computer Science*, **2012**, 57-65	0.9	
41	A discrete harmony search algorithm for the economic lot scheduling problem with power of two policy **2012**,		3
40	A Dynamic Berth Allocation Problem with Priority Considerations under Stochastic Nature. *Lecture Notes in Computer Science*, **2012**, 74-82	0.9	3
39	A Variable Iterated Greedy Algorithm with Differential Evolution for Solving No-Idle Flowshops. *Lecture Notes in Computer Science*, **2012**, 128-135	0.9	1
38	Solving Fuzzy Job-Shop Scheduling Problem by a Hybrid PSO Algorithm. *Lecture Notes in Computer Science*, **2012**, 275-282	0.9	5

37	A DE Based Variable Iterated Greedy Algorithm for the No-Idle Permutation Flowshop Scheduling Problem with Total Flowtime Criterion. *Lecture Notes in Computer Science*, **2012**, 83-90	0.9	
36	A Differential Evolution algorithm for the economic lot scheduling problem **2011**,		1
35	A differential evolution algorithm for the no-idle flowshop scheduling problem with total tardiness criterion. *International Journal of Production Research*, **2011**, 49, 5033-5050	7.8	40
34	A discrete artificial bee colony algorithm for the economic lot scheduling problem **2011**,		9
33	A hybrid harmony search algorithm for the blocking permutation flow shop scheduling problem. *Computers and Industrial Engineering*, **2011**, 61, 76-83	6.4	98
32	A local-best harmony search algorithm with dynamic sub-harmony memories for lot-streaming flow shop scheduling problem. *Expert Systems With Applications*, **2011**, 38, 3252-3259	7.8	82
31	Dynamic multi-swarm particle swarm optimizer with harmony search. *Expert Systems With Applications*, **2011**, 38, 3735-3742	7.8	99
30	A discrete artificial bee colony algorithm for the lot-streaming flow shop scheduling problem. *Information Sciences*, **2011**, 181, 2455-2468	7.7	405
29	A discrete artificial bee colony algorithm for the total flowtime minimization in permutation flow shops. *Information Sciences*, **2011**, 181, 3459-3475	7.7	182
28	A differential evolution algorithm for the median cycle problem **2011**,		1
27	Differential evolution algorithm with ensemble of parameters and mutation strategies. *Applied Soft Computing Journal*, **2011**, 11, 1679-1696	7.5	906
26	A Differential Evolution Algorithm for the Extraction of Complex Natural Resonance Frequencies of Electromagnetic Targets. *Lecture Notes in Computer Science*, **2011**, 131-138	0.9	
25	A local-best harmony search algorithm with dynamic subpopulations. *Engineering Optimization*, **2010**, 42, 101-117	2	65
24	An ensemble of differential evolution algorithms for constrained function optimization **2010**,		31
23	Solving lot-streaming flow shop scheduling problems using a discrete harmony search algorithm **2010**,		1
22	A discrete artificial bee colony algorithm for the permutation flow shop scheduling problem with total flowtime criterion **2010**,		14
21	An ensemble of discrete differential evolution algorithms for solving the generalized traveling salesman problem. *Applied Mathematics and Computation*, **2010**, 215, 3356-3368	2.7	104
20	A self-adaptive global best harmony search algorithm for continuous optimization problems. *Applied Mathematics and Computation*, **2010**, 216, 830-848	2.7	287

19	Minimizing the total flow time in a flow shop with blocking by using hybrid harmony search algorithms. *Expert Systems With Applications*, **2010**, 37, 7929-7936	7.8	107
18	Differential Evolution Algorithms for the Generalized Assignment problem **2009**,		11
17	A differential evolution algorithm with variable parameter search for real-parameter continuous function optimization **2009**,		4
16	A Harmony Search Algorithm with Ensemble of Parameter Sets **2009**,		13
15	A discrete differential evolution algorithm for the single machine total weighted tardiness problem with sequence dependent setup times. *Computers and Operations Research*, **2009**, 36, 1900-1915	4.6	88
14	Metaheuristics for Common due Date Total Earliness and Tardiness Single Machine Scheduling Problem. *Studies in Computational Intelligence*, **2009**, 301-340	0.8	
13	A discrete particle swarm optimization algorithm for the no-wait flowshop scheduling problem. *Computers and Operations Research*, **2008**, 35, 2807-2839	4.6	299
12	A hybrid discrete particle swarm optimization algorithm for the no-wait flow shop scheduling problem with makespan criterion. *International Journal of Advanced Manufacturing Technology*, **2008**, 38, 337-347	3.2	53
11	A discrete differential evolution algorithm for the permutation flowshop scheduling problem. *Computers and Industrial Engineering*, **2008**, 55, 795-816	6.4	215
10	A Discrete Differential Evolution Algorithm for the No-Wait Flowshop Scheduling Problem with Total Flowtime Criterion **2007**,		31
9	A particle swarm optimization algorithm for makespan and total flowtime minimization in the permutation flowshop sequencing problem. *European Journal of Operational Research*, **2007**, 177, 1930-1947	5.6	402
8	A discrete differential evolution algorithm for the permutation flowshop scheduling problem **2007**,		18
7	A discrete particle swarm optimization algorithm for the generalized traveling salesman problem **2007**,		41
6	A Discrete Differential Evolution Algorithm for the Total Earliness and Tardiness Penalties with a Common Due Date on a Single-Machine **2007**,		18
5	A genetic algorithm for the generalized traveling salesman problem **2007**,		7
4	A Discrete Particle Swarm Optimization Algorithm for the Permutation Flowshop Sequencing Problem with Makespan Criterion **2007**, 19-31		7
3	Particle swarm optimization and differential evolution for the single machine total weighted tardiness problem. *International Journal of Production Research*, **2006**, 44, 4737-4754	7.8	88
2	Minimizing Total Earliness and Tardiness Penalties with a Common Due Date on a Single-Machine Using a Discrete Particle Swarm Optimization Algorithm. *Lecture Notes in Computer Science*, **2006**, 460-467	0.9	14

1	Particle Swarm Optimization Algorithm for Permutation Flowshop Sequencing Problem. *Lecture Notes in Computer Science*, **2004**, 382-389	0.9	80