

Adil Baykasoglu

List of Publications by Citations

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191
papers

5,750
citations

42
h-index

67
g-index

200
ext. papers

6,571
ext. citations

4.9
avg, IF

6.67
L-index

#	Paper	IF	Citations
191	Prediction of compressive and tensile strength of limestone via genetic programming. <i>Expert Systems With Applications</i> , 2008 , 35, 111-123	7.8	226
190	An analysis of DEMATEL approaches for criteria interaction handling within ANP. <i>Expert Systems With Applications</i> , 2016 , 46, 346-366	7.8	170
189	Integrating fuzzy DEMATEL and fuzzy hierarchical TOPSIS methods for truck selection. <i>Expert Systems With Applications</i> , 2013 , 40, 899-907	7.8	167
188	Industrial applications of type-2 fuzzy sets and systems: A concise review. <i>Computers in Industry</i> , 2011 , 62, 125-137	11.6	157
187	Adaptive firefly algorithm with chaos for mechanical design optimization problems. <i>Applied Soft Computing Journal</i> , 2015 , 36, 152-164	7.5	138
186	A simulated annealing algorithm for dynamic layout problem. <i>Computers and Operations Research</i> , 2001 , 28, 1403-1426	4.6	128
185	Development of an interval type-2 fuzzy sets based hierarchical MADM model by combining DEMATEL and TOPSIS. <i>Expert Systems With Applications</i> , 2017 , 70, 37-51	7.8	116
184	Bees algorithm for generalized assignment problem. <i>Applied Mathematics and Computation</i> , 2010 , 215, 3782-3795	2.7	113
183	Multi-rule Multi-objective Simulated Annealing Algorithm for Straight and U Type Assembly Line Balancing Problems. <i>Journal of Intelligent Manufacturing</i> , 2006 , 17, 217-232	6.7	109
182	Two-sided assembly line balancing using an ant-colony-based heuristic. <i>International Journal of Advanced Manufacturing Technology</i> , 2008 , 36, 582-588	3.2	106
181	Testing the performance of teaching-learning based optimization (TLBO) algorithm on combinatorial problems: Flow shop and job shop scheduling cases. <i>Information Sciences</i> , 2014 , 276, 204-218	7.7	104
180	Designing an environmentally conscious tire closed-loop supply chain network with multiple recovery options using interactive fuzzy goal programming. <i>Applied Mathematical Modelling</i> , 2015 , 39, 2661-2702	4.5	100
179	Dynamic optimization of multipass milling operations via geometric programming. <i>International Journal of Machine Tools and Manufacture</i> , 1999 , 39, 297-320	9.4	98
178	PROJECT TEAM SELECTION USING FUZZY OPTIMIZATION APPROACH. <i>Cybernetics and Systems</i> , 2007 , 38, 155-185	1.9	96
177	Prediction of cement strength using soft computing techniques. <i>Cement and Concrete Research</i> , 2004 , 34, 2083-2090	10.3	96
176	Investigating mix proportions of high strength self compacting concrete by using Taguchi method. <i>Construction and Building Materials</i> , 2009 , 23, 694-702	6.7	91
175	An improved firefly algorithm for solving dynamic multidimensional knapsack problems. <i>Expert Systems With Applications</i> , 2014 , 41, 3712-3725	7.8	90

174	An ant colony algorithm for solving budget constrained and unconstrained dynamic facility layout problems. <i>Omega</i> , 2006 , 34, 385-396	7.2	88
173	A multi-agent based approach to dynamic scheduling of machines and automated guided vehicles in manufacturing systems. <i>Applied Soft Computing Journal</i> , 2012 , 12, 1720-1732	7.5	85
172	Hybridizing ant colony optimization via genetic algorithm for mixed-model assembly line balancing problem with sequence dependent setup times between tasks. <i>Applied Soft Computing Journal</i> , 2013 , 13, 574-589	7.5	84
171	Development of a novel multiple-attribute decision making model via fuzzy cognitive maps and hierarchical fuzzy TOPSIS. <i>Information Sciences</i> , 2015 , 301, 75-98	7.7	79
170	Prediction and multi-objective optimization of high-strength concrete parameters via soft computing approaches. <i>Expert Systems With Applications</i> , 2009 , 36, 6145-6155	7.8	79
169	A TABOO SEARCH BASED APPROACH TO FIND THE PARETO OPTIMAL SET IN MULTIPLE OBJECTIVE OPTIMIZATION. <i>Engineering Optimization</i> , 1999 , 31, 731-748	2	78
168	Training neural networks with harmony search algorithms for classification problems. <i>Engineering Applications of Artificial Intelligence</i> , 2012 , 25, 11-19	7.2	77
167	Application of activity-based costing to a land transportation company: A case study. <i>International Journal of Production Economics</i> , 2008 , 116, 308-324	9.3	68
166	A case-oriented approach to a lead/acid battery closed-loop supply chain network design under risk and uncertainty. <i>Journal of Manufacturing Systems</i> , 2015 , 37, 340-361	9.1	62
165	Design optimization with chaos embedded great deluge algorithm. <i>Applied Soft Computing Journal</i> , 2012 , 12, 1055-1067	7.5	62
164	Optimizing cutting parameters in process planning of prismatic parts by using genetic algorithms. <i>International Journal of Production Research</i> , 2001 , 39, 3303-3328	7.8	57
163	Prediction of compressive and tensile strength of Gaziantep basalts via neural networks and gene expression programming. <i>Neural Computing and Applications</i> , 2009 , 18, 1031-1041	4.8	55
162	MOAPPS 1.0: Aggregate production planning using the multiple-objective tabu search. <i>International Journal of Production Research</i> , 2001 , 39, 3685-3702	7.8	55
161	A survey on the methods and tools of concurrent new product development and agile manufacturing. <i>Journal of Intelligent Manufacturing</i> , 2004 , 15, 731-751	6.7	53
160	Stochastic U-line balancing using genetic algorithms. <i>International Journal of Advanced Manufacturing Technology</i> , 2007 , 32, 139-147	3.2	52
159	Linguistic-based meta-heuristic optimization model for flexible job shop scheduling. <i>International Journal of Production Research</i> , 2002 , 40, 4523-4543	7.8	52
158	Multi-objective aggregate production planning with fuzzy parameters. <i>Advances in Engineering Software</i> , 2010 , 41, 1124-1131	3.6	51
157	Weighted Superposition Attraction (WSA): A swarm intelligence algorithm for optimization problems [Part 2: Constrained optimization]. <i>Applied Soft Computing Journal</i> , 2015 , 37, 396-415	7.5	50

156	New approaches to due date assignment in job shops. <i>European Journal of Operational Research</i> , 2008 , 187, 31-45	5.6	50
155	A fuzzy goal programming model to strategic planning problem of a lead/acid battery closed-loop supply chain. <i>Journal of Manufacturing Systems</i> , 2015 , 37, 243-264	9.1	49
154	Capability-based distributed layout approach for virtual manufacturing cells. <i>International Journal of Production Research</i> , 2003 , 41, 2597-2618	7.8	49
153	Modeling and solving mixed-model assembly line balancing problem with setups. Part I: A mixed integer linear programming model. <i>Journal of Manufacturing Systems</i> , 2014 , 33, 177-187	9.1	48
152	A multi-objective sustainable load planning model for intermodal transportation networks with a real-life application. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2016 , 95, 207-247	9.1	47
151	Weighted Superposition Attraction (WSA): A swarm intelligence algorithm for optimization problems [Part 1: Unconstrained optimization. <i>Applied Soft Computing Journal</i> , 2017 , 56, 520-540	7.5	43
150	Modeling and solving constrained two-sided assembly line balancing problem via bee algorithms. <i>Applied Soft Computing Journal</i> , 2012 , 12, 3343-3355	7.5	42
149	MOCACEF 1.0: Multiple objective capability based approach to form part-machine groups for cellular manufacturing applications. <i>International Journal of Production Research</i> , 2000 , 38, 1133-1161	7.8	42
148	Multi-objective crashworthiness optimization of lattice structure filled thin-walled tubes. <i>Thin-Walled Structures</i> , 2020 , 149, 106630	4.7	41
147	A multi-agent based approach to dynamic scheduling with flexible processing capabilities. <i>Journal of Intelligent Manufacturing</i> , 2017 , 28, 1827-1845	6.7	39
146	Using multiple objective tabu search and grammars to model and solve multi-objective flexible job shop scheduling problems. <i>Journal of Intelligent Manufacturing</i> , 2004 , 15, 777-785	6.7	39
145	A soft computing-based approach for integrated training and rule extraction from artificial neural networks: DIFACONN-miner. <i>Applied Soft Computing Journal</i> , 2010 , 10, 304-317	7.5	38
144	A swarm intelligence-based algorithm for the set-union knapsack problem. <i>Future Generation Computer Systems</i> , 2019 , 93, 560-569	7.5	37
143	Quantum firefly swarms for multimodal dynamic optimization problems. <i>Expert Systems With Applications</i> , 2019 , 115, 189-199	7.8	37
142	Multiple-colony ant algorithm for parallel assembly line balancing problem. <i>Applied Soft Computing Journal</i> , 2011 , 11, 3186-3198	7.5	36
141	Training Fuzzy Cognitive Maps via Extended Great Deluge Algorithm with applications. <i>Computers in Industry</i> , 2011 , 62, 187-195	11.6	35
140	A new dynamic programming formulation of (n x m) flowshop sequencing problems with due dates. <i>International Journal of Production Research</i> , 1998 , 36, 2269-2283	7.8	34
139	A multi-agent approach to load consolidation in transportation. <i>Advances in Engineering Software</i> , 2011 , 42, 477-490	3.6	33

138	A cost-sensitive classification algorithm: BEE-Miner. <i>Knowledge-Based Systems</i> , 2016 , 95, 99-113	7.3	32
137	Modeling and solving mixed-model assembly line balancing problem with setups. Part II: A multiple colony hybrid bees algorithm. <i>Journal of Manufacturing Systems</i> , 2014 , 33, 445-461	9.1	32
136	Quantifying machine flexibility. <i>International Journal of Production Research</i> , 2009 , 47, 4109-4123	7.8	32
135	Bee algorithms for parallel two-sided assembly line balancing problem with walking times. <i>Applied Soft Computing Journal</i> , 2016 , 39, 275-291	7.5	31
134	Bees Algorithm for constrained fuzzy multi-objective two-sided assembly line balancing problem. <i>Optimization Letters</i> , 2012 , 6, 1039-1049	1.1	31
133	MEPAR-miner: Multi-expression programming for classification rule mining. <i>European Journal of Operational Research</i> , 2007 , 183, 767-784	5.6	30
132	Capability based formulation and solution of multiple objective cell formation problems using simulated annealing. <i>Journal of Manufacturing Technology Management</i> , 2001 , 12, 258-274		30
131	An integrated framework for reconfiguration of cellular manufacturing systems using virtual cells. <i>Production Planning and Control</i> , 2002 , 13, 381-393	4.3	29
130	ErgoALWABP: a multiple-rule based constructive randomized search algorithm for solving assembly line worker assignment and balancing problem under ergonomic risk factors. <i>Journal of Intelligent Manufacturing</i> , 2019 , 30, 291-302	6.7	29
129	Analysing the effect of flexibility on manufacturing systems performance. <i>Journal of Manufacturing Technology Management</i> , 2008 , 19, 172-193	7.1	28
128	Solution of goal programming models using a basic taboo search algorithm. <i>Journal of the Operational Research Society</i> , 1999 , 50, 960-973	2	28
127	Multiple objective crashworthiness optimization of circular tubes with functionally graded thickness via artificial neural networks and genetic algorithms. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2017 , 231, 2005-2016	1.3	27
126	Integration of Internet and web-based tools in new product development process. <i>Production Planning and Control</i> , 2007 , 18, 44-53	4.3	27
125	A review and analysis of graph theoretical-matrix permanent approach to decision making with example applications. <i>Artificial Intelligence Review</i> , 2014 , 42, 573-605	9.7	26
124	A grammatical optimization approach for integrated process planning and scheduling. <i>Journal of Intelligent Manufacturing</i> , 2009 , 20, 211-221	6.7	26
123	Self-adaptive global best harmony search algorithm for training neural networks. <i>Procedia Computer Science</i> , 2011 , 3, 282-286	1.6	26
122	Modeling and solving assembly line design problems by considering human factors with a real-life application. <i>Human Factors and Ergonomics in Manufacturing</i> , 2017 , 27, 96-115	1.4	25
121	Dynamic scheduling of parallel heat treatment furnaces: A case study at a manufacturing system. <i>Journal of Manufacturing Systems</i> , 2018 , 46, 152-162	9.1	25

120	Evolutionary and population-based methods versus constructive search strategies in dynamic combinatorial optimization. <i>Information Sciences</i> , 2017 , 420, 159-183	7.7	25
119	Analyzing the effect of dispatching rules on the scheduling performance through grammar based flexible scheduling system. <i>International Journal of Production Economics</i> , 2010 , 124, 369-381	9.3	25
118	Preemptive goal programming using simulated annealing. <i>Engineering Optimization</i> , 2005 , 37, 49-63	2	25
117	Goal programming using multiple objective tabu search. <i>Journal of the Operational Research Society</i> , 2001 , 52, 1359-1369	2	25
116	Solving comprehensive dynamic job shop scheduling problem by using a GRASP-based approach. <i>International Journal of Production Research</i> , 2017 , 55, 3308-3325	7.8	24
115	An analysis of fully fuzzy linear programming with fuzzy decision variables through logistics network design problem. <i>Knowledge-Based Systems</i> , 2015 , 90, 165-184	7.3	24
114	A new fuzzy linear assignment method for multi-attribute decision making with an application to spare parts inventory classification. <i>Applied Soft Computing Journal</i> , 2016 , 42, 1-17	7.5	24
113	Fuzzy DIFACONN-miner: A novel approach for fuzzy rule extraction from neural networks. <i>Expert Systems With Applications</i> , 2013 , 40, 938-946	7.8	24
112	Fuzzy quality-team formation for value added auditing: A case study. <i>Journal of Engineering and Technology Management - JET-M</i> , 2007 , 24, 366-394	3.7	24
111	OPPS-ROT: An optimised process planning system for rotational parts. <i>Computers in Industry</i> , 1996 , 32, 181-195	11.6	24
110	Greedy randomized adaptive search for dynamic flexible job-shop scheduling. <i>Journal of Manufacturing Systems</i> , 2020 , 56, 425-451	9.1	23
109	TACO-miner: An ant colony based algorithm for rule extraction from trained neural networks. <i>Expert Systems With Applications</i> , 2009 , 36, 12295-12305	7.8	23
108	A meta-heuristic algorithm to solve quadratic assignment formulations of cell formation problems without presetting number of cells. <i>Journal of Intelligent Manufacturing</i> , 2004 , 15, 753-759	6.7	22
107	Application of cost/benefit analysis for surgical gown and drape selection: a case study. <i>American Journal of Infection Control</i> , 2009 , 37, 215-26	3.8	21
106	A GRASP based solution approach to solve cardinality constrained portfolio optimization problems. <i>Computers and Industrial Engineering</i> , 2015 , 90, 339-351	6.4	20
105	Development of a two-phase structural model for evaluating ERP critical success factors along with a case study. <i>Computers and Industrial Engineering</i> , 2017 , 106, 256-274	6.4	19
104	Constrained fuzzy arithmetic approach to fuzzy transportation problems with fuzzy decision variables. <i>Expert Systems With Applications</i> , 2017 , 81, 193-222	7.8	18
103	A direct solution approach to fuzzy mathematical programs with fuzzy decision variables. <i>Expert Systems With Applications</i> , 2012 , 39, 1972-1978	7.8	18

102	Simple and U-type Assembly Line Balancing by Using an Ant Colony Based Algorithm. <i>Mathematical and Computational Applications</i> , 2009 , 14, 1-12	1	18
101	A new integrated system for loading and scheduling in cellular manufacturing. <i>International Journal of Computer Integrated Manufacturing</i> , 2002 , 15, 37-49	4.3	18
100	A review of fleet planning problems in single and multimodal transportation systems. <i>Transportmetrica A: Transport Science</i> , 2019 , 15, 631-697	2.5	18
99	Comprehensive Fuzzy FMEA model: a case study of ERP implementation risks. <i>Operational Research</i> , 2020 , 20, 795-826	1.6	18
98	Minimizing tool switching and indexing times with tool duplications in automatic machines. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 89, 1775-1789	3.2	17
97	A Hybrid MCDM for Private Primary School Assessment Using DEMATEL Based on ANP and Fuzzy Cognitive Map. <i>International Journal of Computational Intelligence Systems</i> , 2014 , 7, 615-635	3.4	17
96	Solving fuzzy multiple objective generalized assignment problems directly via bees algorithm and fuzzy ranking. <i>Expert Systems With Applications</i> , 2013 , 40, 892-898	7.8	17
95	Dynamic optimization in binary search spaces via weighted superposition attraction algorithm. <i>Expert Systems With Applications</i> , 2018 , 96, 157-174	7.8	17
94	Development of a framework for customer co-creation in NPD through multi-issue negotiation with issue trade-offs. <i>Expert Systems With Applications</i> , 2013 , 40, 873-880	7.8	16
93	Solution of a fully fuzzy multi-item economic order quantity problem by using fuzzy ranking functions. <i>Engineering Optimization</i> , 2007 , 39, 919-939	2	16
92	A fuzzy multiple-attribute decision making model to evaluate new product pricing strategies. <i>Annals of Operations Research</i> , 2017 , 251, 205-242	3.2	15
91	A comparative study on crashworthiness of thin-walled tubes with functionally graded thickness under oblique impact loadings. <i>International Journal of Crashworthiness</i> , 2019 , 24, 453-471	1	15
90	Crashworthiness optimization of circular tubes with functionally-graded thickness. <i>Engineering Computations</i> , 2016 , 33, 1560-1585	1.4	15
89	Applying multiple objective tabu search to continuous optimization problems with a simple neighbourhood strategy. <i>International Journal for Numerical Methods in Engineering</i> , 2006 , 65, 406-424	2.4	15
88	An application oriented multi-agent based approach to dynamic load/truck planning. <i>Expert Systems With Applications</i> , 2015 , 42, 6008-6025	7.8	14
87	Discovering task assignment rules for assembly line balancing via genetic programming. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 76, 417-434	3.2	14
86	Generating prediction rules for liquefaction through data mining. <i>Expert Systems With Applications</i> , 2009 , 36, 12491-12499	7.8	14
85	Gene expression programming based due date assignment in a simulated job shop. <i>Expert Systems With Applications</i> , 2009 , 36, 12143-12150	7.8	14

84	Fuzzy mixed integer programming model for medium-term planning in a closed-loop supply chain with remanufacturing option. <i>Journal of Intelligent and Fuzzy Systems</i> , 2012 , 23, 345-368	1.6	14
83	Novel algorithmic approach to generate the 'number of passes' and 'depth of cuts' for the optimization routines of multipass machining. <i>International Journal of Production Research</i> , 2002 , 40, 1549-1565	7.8	14
82	Optimal design of truss structures using weighted superposition attraction algorithm. <i>Engineering With Computers</i> , 2020 , 36, 965-979	4.5	14
81	A simulation based approach to analyse the effects of job release on the performance of a multi-stage job-shop with processing flexibility. <i>International Journal of Production Research</i> , 2011 , 49, 585-610	7.8	13
80	Capability-based distributed layout and its simulation based analyses. <i>Journal of Intelligent Manufacturing</i> , 2010 , 21, 471-485	6.7	13
79	Gene expression programming based meta-modelling approach to production line design. <i>International Journal of Computer Integrated Manufacturing</i> , 2008 , 21, 657-665	4.3	13
78	A tabu search approach to fuzzy goal programs and an application to aggregate production planning. <i>Engineering Optimization</i> , 2006 , 38, 155-177	2	13
77	Heuristic optimization system for the determination of index positions on CNC magazines with the consideration of cutting tool duplications. <i>International Journal of Production Research</i> , 2004 , 42, 1281-1303	7.8	13
76	A dynamic multiple attribute decision making model with learning of fuzzy cognitive maps. <i>Computers and Industrial Engineering</i> , 2019 , 135, 1063-1076	6.4	12
75	Complexity and performance measurement for retail supply chains. <i>Industrial Management and Data Systems</i> , 2019 , 119, 719-742	3.6	12
74	Cost-sensitive meta-learning classifiers: MEPAR-miner and DIFACONN-miner. <i>Knowledge-Based Systems</i> , 2016 , 98, 148-161	7.3	12
73	A multiple-rule based constructive randomized search algorithm for solving assembly line worker assignment and balancing problem. <i>Journal of Intelligent Manufacturing</i> , 2019 , 30, 557-573	6.7	12
72	Weighted superposition attraction algorithm for binary optimization problems. <i>Operational Research</i> , 2020 , 20, 2555-2581	1.6	12
71	Analysing the effects of various switching probability characteristics in flower pollination algorithm for solving unconstrained function minimization problems. <i>Neural Computing and Applications</i> , 2019 , 31, 7805-7819	4.8	11
70	Weighted superposition attraction algorithm for combinatorial optimization. <i>Expert Systems With Applications</i> , 2019 , 138, 112792	7.8	11
69	A multi-population firefly algorithm for dynamic optimization problems 2015 ,		11
68	Contractor selection with Multi Criteria Decision Support tools. <i>International Journal of Industrial and Systems Engineering</i> , 2009 , 4, 174	0.4	11
67	A PRACTICAL FUZZY DIGRAPH MODEL FOR MODELING MANUFACTURING FLEXIBILITY. <i>Cybernetics and Systems</i> , 2009 , 40, 475-489	1.9	11

66	The bees algorithm for workload balancing in examination job assignment. <i>European Journal of Industrial Engineering</i> , 2009 , 3, 424	1.1	10
65	A direct solution approach based on constrained fuzzy arithmetic and metaheuristic for fuzzy transportation problems. <i>Soft Computing</i> , 2019 , 23, 1667-1698	3.5	10
64	Solving fully fuzzy mathematical programming model of EOQ problem with a direct approach based on fuzzy ranking and PSO. <i>Journal of Intelligent and Fuzzy Systems</i> , 2011 , 22, 237-251	1.6	9
63	Classifying defect factors in fabric production via DIFACONN-miner: A case study. <i>Expert Systems With Applications</i> , 2011 , 38, 11321-11328	7.8	9
62	Dynamic virtual cellular manufacturing through agent-based modelling. <i>International Journal of Computer Integrated Manufacturing</i> , 2017 , 30, 564-579	4.3	8
61	Multiple colony bees algorithm for continuous spaces. <i>Applied Soft Computing Journal</i> , 2014 , 24, 829-841	7.5	8
60	Flow time analyses of a simulated flexible job shop by considering jockeying. <i>International Journal of Advanced Manufacturing Technology</i> , 2012 , 58, 693-707	3.2	8
59	An improved decoding procedure and seeker optimization algorithm for reverse logistics network design problem. <i>Journal of Intelligent and Fuzzy Systems</i> , 2014 , 27, 2703-2714	1.6	8
58	Genetic Programming Based Data Mining Approach to Dispatching Rule Selection in a Simulated Job Shop. <i>Simulation</i> , 2010 , 86, 715-728	1.2	8
57	A PRACTICAL APPROACH TO PRIORITIZE PROJECT ACTIVITIES THROUGH FUZZY RANKING. <i>Cybernetics and Systems</i> , 2011 , 42, 165-179	1.9	8
56	An improved approach for determination of index positions on CNC magazines with cutting tool duplications by integrating shortest path algorithm. <i>International Journal of Production Research</i> , 2016 , 54, 742-760	7.8	8
55	Process mining based approach to performance evaluation in computer-aided examinations. <i>Computer Applications in Engineering Education</i> , 2018 , 26, 1841-1861	1.6	8
54	Modelling complexity in retail supply chains. <i>Kybernetes</i> , 2016 , 45, 297-322	2	7
53	An affordable Reverse Engineering framework for innovative rapid product development. <i>International Journal of Industrial and Systems Engineering</i> , 2008 , 3, 31	0.4	7
52	OPPS-PRI 2.0: an open and optimized process planning system for prismatic parts to improve the performance of SMEs in the machining industry. <i>International Journal of Production Research</i> , 2005 , 43, 1039-1087	7.8	7
51	Minimisation of non-machining times in operating automatic tool changers of machine tools under dynamic operating conditions. <i>International Journal of Production Research</i> , 2018 , 56, 1548-1564	7.8	7
50	Agent-based dynamic part family formation for cellular manufacturing applications. <i>International Journal of Production Research</i> , 2015 , 53, 774-792	7.8	6
49	Manufacturing cell formation with flexible processing capabilities and worker assignment: Comparison of constraint programming and integer programming approaches. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2018 , 232, 2054-2068	2.4	6

48	Rule extraction from artificial neural networks to discover causes of quality defects in fabric production. <i>Neural Computing and Applications</i> , 2011 , 20, 1117-1128	4.8	6
47	Rule Extraction from Neural Networks Via Ant Colony Algorithm for Data Mining Applications. <i>Lecture Notes in Computer Science</i> , 2008 , 177-191	0.9	6
46	Single Seekers Society (SSS): Bringing together heuristic optimization algorithms for solving complex problems. <i>Knowledge-Based Systems</i> , 2019 , 165, 53-76	7.3	6
45	Optimising cutting conditions for minimising cutting time in multi-pass milling via weighted superposition attraction-repulsion (WSAR) algorithm. <i>International Journal of Production Research</i> , 2021 , 59, 4633-4648	7.8	6
44	A MULTI-AGENT FRAMEWORK FOR LOAD CONSOLIDATION IN LOGISTICS. <i>Transport</i> , 2011 , 26, 320-328	1.4	5
43	Multi-colony ant algorithm for parallel assembly line balancing with fuzzy parameters. <i>Journal of Intelligent and Fuzzy Systems</i> , 2012 , 23, 283-295	1.6	5
42	Weighted superposition attraction-repulsion (WSAR) algorithm for truss optimization with multiple frequency constraints. <i>Structures</i> , 2021 , 30, 253-264	3.4	5
41	Evaluating the basic load consolidation strategies for a transportation company through logistics process modelling and simulation. <i>International Journal of Data Analysis Techniques and Strategies</i> , 2011 , 3, 241	0.5	4
40	Balancing parallel assembly lines via Ant Colony Optimization 2009 ,		4
39	Due date assignment using ADRES and simulated annealing. <i>International Journal of Industrial and Systems Engineering</i> , 2008 , 3, 277	0.4	4
38	A TEAM-ORIENTED CYBERNETIC APPROACH FOR VALUE-ADDED QUALITY AUDITING. <i>Cybernetics and Systems</i> , 2006 , 37, 311-327	1.9	4
37	Investigation of center of mass by using magic squares and its possible engineering applications. <i>Robotics and Autonomous Systems</i> , 2004 , 49, 219-226	3.5	4
36	Computer Aided Constrained Optimisation of Cutting Conditions in Drilling Operations on a CNC Lathe by Using Geometric Programming. <i>Mathematical and Computational Applications</i> , 1996 , 1, 97-104	1	4
35	Composite Dispatching Rule Generation through Data Mining in a Simulated Job Shop. <i>Communications in Computer and Information Science</i> , 2008 , 389-398	0.3	4
34	Solving combinatorial optimization problems with single seekers society algorithm. <i>Knowledge-Based Systems</i> , 2020 , 201-202, 106036	7.3	4
33	A multi-agent based approach to modeling and solving dynamic generalized travelling salesman problem. <i>Journal of Intelligent and Fuzzy Systems</i> , 2016 , 31, 77-90	1.6	4
32	Revisiting ranking accuracy within WASPAS method. <i>Kybernetes</i> , 2019 , 49, 885-895	2	4
31	Metaheuristic-based simulation optimization approach to network revenue management with an improved self-adjusting bid price function. <i>Engineering Economist</i> , 2017 , 62, 3-32	0.8	3

30	Direct Solution of Time-Cost Tradeoff Problem with Fuzzy Decision Variables. <i>Cybernetics and Systems</i> , 2016 , 47, 206-219	1.9	3
29	An Interactive Data-Driven (Dynamic) Multiple Attribute Decision Making Model via Interval Type-2 Fuzzy Functions. <i>Mathematics</i> , 2019 , 7, 584	2.3	3
28	Fuzzy functions via genetic programming. <i>Journal of Intelligent and Fuzzy Systems</i> , 2014 , 27, 2355-2364	1.6	3
27	A classification scheme for agent based approaches to dynamic optimization. <i>Artificial Intelligence Review</i> , 2014 , 41, 261-286	9.7	3
26	Enhancing technology clustering through heuristics by using patent counts. <i>Expert Systems With Applications</i> , 2011 , 38, 15383-15391	7.8	3
25	Cost optimization of high strength concretes by soft computing techniques. <i>Computers and Concrete</i> , 2010 , 7, 221-237		3
24	Development of a Web-Based Decision Support System for Strategic and Tactical Sustainable Fleet Management Problems in Intermodal Transportation Networks. <i>Profiles in Operations Research</i> , 2019 , 189-230	1	3
23	An Excel-based program to teach students quick ergonomic risk assessment techniques with an application to an assembly system. <i>Computer Applications in Engineering Education</i> , 2017 , 25, 489-507	1.6	2
22	Mathematical programming approach to productivity improvement in wind turbine-blade manufacturing through a case study. <i>Engineering With Computers</i> , 2020 , 37, 3843	4.5	2
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