Ali Azadeh

List of Publications by Year
in descending order

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375	8,601	46918 47	82410 72
papers	citations	h-index	g-index

379	379	379	6276
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Annual electricity consumption forecasting by neural network in high energy consuming industrial sectors. Energy Conversion and Management, 2008, 49, 2272-2278.	4.4	241
2	Integration of artificial neural networks and genetic algorithm to predict electrical energy consumption. Applied Mathematics and Computation, 2007, 186, 1731-1741.	1.4	203
3	Integration of genetic algorithm, computer simulation and design of experiments for forecasting electrical energy consumption. Energy Policy, 2007, 35, 5229-5241.	4.2	181
4	Dynamic safety assessment of natural gas stations using Bayesian network. Journal of Hazardous Materials, 2017, 321, 830-840.	6.5	181
5	A simulated-based neural network algorithm for forecasting electrical energy consumption in Iran. Energy Policy, 2008, 36, 2637-2644.	4.2	160
6	An integrated DEA PCA numerical taxonomy approach for energy efficiency assessment and consumption optimization in energy intensive manufacturing sectors. Energy Policy, 2007, 35, 3792-3806.	4.2	152
7	Forecasting electrical consumption by integration of Neural Network, time series and ANOVA. Applied Mathematics and Computation, 2007, 186, 1753-1761.	1.4	143
8	Integration of DEA and AHP with computer simulation for railway system improvement and optimization. Applied Mathematics and Computation, 2008, 195, 775-785.	1.4	125
9	A flexible algorithm for fault diagnosis in a centrifugal pump with corrupted data and noise based on ANN and support vector machine with hyper-parameters optimization. Applied Soft Computing Journal, 2013, 13, 1478-1485.	4.1	116
10	Design and implementation of a fuzzy expert system for performance assessment of an integrated health, safety, environment (HSE) and ergonomics system: The case of a gas refinery. Information Sciences, 2008, 178, 4280-4300.	4.0	114
11	An integrated artificial neural networks approach for predicting global radiation. Energy Conversion and Management, 2009, 50, 1497-1505.	4.4	112
12	Assessment of resilience engineering factors in high-risk environments by fuzzy cognitive maps: A petrochemical plant. Safety Science, 2014, 68, 99-107.	2.6	111
13	An adaptive network-based fuzzy inference system for short-term natural gas demand estimation: Uncertain and complex environments. Energy Policy, 2010, 38, 1529-1536.	4.2	109
14	A flexible deterministic, stochastic and fuzzy Data Envelopment Analysis approach for supply chain risk and vendor selection problem: Simulation analysis. Expert Systems With Applications, 2010, 37, 7438-7448.	4.4	105
15	Performance evaluation of integrated resilience engineering factors by data envelopment analysis: The case of a petrochemical plant. Chemical Engineering Research and Design, 2014, 92, 231-241.	2.7	100
16	An integrated fuzzy regression algorithm for energy consumption estimation with non-stationary data: A case study of Iran. Energy, 2010, 35, 2351-2366.	4.5	99
17	Optimum estimation and forecasting of renewable energy consumption by artificial neural networks. Renewable and Sustainable Energy Reviews, 2013, 27, 605-612.	8.2	93
18	Integration of Artificial Neural Networks and Genetic Algorithm to Predict Electrical Energy consumption. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	92

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19	A flexible neural network-fuzzy mathematical programming algorithm for improvement of oil price estimation and forecasting. Computers and Industrial Engineering, 2012, 62, 421-430.	3.4	91
20	A stochastic programming approach towards optimization of biofuel supply chain. Energy, 2014, 76, 513-525.	4.5	91
21	Improved estimation of electricity demand function by integration of fuzzy system and data mining approach. Energy Conversion and Management, 2008, 49, 2165-2177.	4.4	90
22	A supplier selection and order allocation model with multiple transportation alternatives. International Journal of Advanced Manufacturing Technology, 2011, 52, 365-376.	1.5	86
23	A genetic algorithm-Taguchi based approach to inventory routing problem of a single perishable product with transshipment. Computers and Industrial Engineering, 2017, 104, 124-133.	3.4	85
24	Location optimization of wind plants in Iran by an integrated hierarchical Data Envelopment Analysis. Renewable Energy, 2011, 36, 1621-1631.	4.3	81
25	Z-number DEA: A new possibilistic DEA in the context of Z-numbers. Advanced Engineering Informatics, 2016, 30, 604-617.	4.0	78
26	Performance assessment of electric power generations using an adaptive neural network algorithm. Energy Policy, 2007, 35, 3155-3166.	4.2	74
27	Location optimization of solar plants by an integrated hierarchical DEA PCA approach. Energy Policy, 2008, 36, 3993-4004.	4.2	74
28	Leanness assessment and optimization by fuzzy cognitive map and multivariate analysis. Expert Systems With Applications, 2015, 42, 6050-6064.	4.4	73
29	A fuzzy inference system for pump failure diagnosis to improve maintenance process: The case of a petrochemical industry. Expert Systems With Applications, 2010, 37, 627-639.	4.4	70
30	A Neuro-fuzzy-stochastic frontier analysis approach for long-term natural gas consumption forecasting and behavior analysis: The cases of Bahrain, Saudi Arabia, Syria, and UAE. Applied Energy, 2011, 88, 3850-3859.	5.1	70
31	A new genetic algorithm approach for optimizing bidding strategy viewpoint of profit maximization of a generation company. Expert Systems With Applications, 2012, 39, 1565-1574.	4.4	65
32	Evolutionary multi-objective optimization of environmental indicators of integrated crude oil supply chain under uncertainty. Journal of Cleaner Production, 2017, 152, 295-311.	4.6	65
33	An integrated Data Envelopment Analysisâ€“Artificial Neural Networkâ€“Rough Set Algorithm for assessment of personnel efficiency. Expert Systems With Applications, 2011, 38, 1364-1373.	4.4	64
34	Improved estimation of electricity demand function by using of artificial neural network, principal component analysis and data envelopment analysis. Computers and Industrial Engineering, 2013, 64, 425-441.	3.4	64
35	An integrated DEAâ€“COLSâ€“SFA algorithm for optimization and policy making of electricity distribution units. Energy Policy, 2009, 37, 2605-2618.	4.2	62
36	Biodiesel supply chain optimization via a hybrid system dynamics-mathematical programming approach. Renewable Energy, 2016, 93, 383-403.	4.3	61

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37	An integrated systemic model for optimization of condition-based maintenance with human error. Reliability Engineering and System Safety, 2014, 124, 117-131.	5.1	60
38	Location optimization of wind power generationâ€“transmission systems under uncertainty using hierarchical fuzzy DEA: A case study. Renewable and Sustainable Energy Reviews, 2014, 30, 877-885.	8.2	60
39	A hybrid simulation-adaptive network based fuzzy inference system for improvement of electricity consumption estimation. Expert Systems With Applications, 2009, 36, 11108-11117.	4.4	59
40	Modelling and improvement of supply chain with imprecise transportation delays and resilience factors. International Journal of Logistics Research and Applications, 2014, 17, 269-282.	5.6	59
41	An intelligent framework for productivity assessment and analysis of human resource from resilience engineering, motivational factors, HSE and ergonomics perspectives. Safety Science, 2016, 89, 55-71.	2.6	59
42	Z-AHP: A Z-number extension of fuzzy analytical hierarchy process. , 2013, , .		57
43	Condition-based maintenance effectiveness for seriesâ€“parallel power generation systemâ€”A combined Markovian simulation model. Reliability Engineering and System Safety, 2015, 142, 357-368.	5.1	57
44	The closeâ€“open mixed multi depot vehicle routing problem considering internal and external fleet of vehicles. Transportation Letters, 2019, 11, 78-92.	1.8	54
45	A hybrid computer simulation-artificial neural network algorithm for optimisation of dispatching rule selection in stochastic job shop scheduling problems. International Journal of Production Research, 2012, 50, 551-566.	4.9	52
46	A multi-objective fuzzy linear programming model for optimization of natural gas supply chain through a greenhouse gas reduction approach. Journal of Natural Gas Science and Engineering, 2015, 26, 702-710.	2.1	52
47	A flexible fuzzy regression algorithm for forecasting oil consumption estimation. Energy Policy, 2009, 37, 5567-5579.	4.2	49
48	An integrated fuzzy simulation-fuzzy data envelopment analysis algorithm for job-shop layout optimization: The case of injection process with ambiguous data. European Journal of Operational Research, 2011, 214, 768-779.	3.5	49
49	A flexible neural network-fuzzy data envelopment analysis approach for location optimization of solar plants with uncertainty and complexity. Renewable Energy, 2011, 36, 3394-3401.	4.3	49
50	Performance optimization of integrated resilience engineering and lean production principles. Expert Systems With Applications, 2017, 84, 155-170.	4.4	49
51	A robust decision-making methodology for evaluation and selection of simulation software package. International Journal of Advanced Manufacturing Technology, 2010, 47, 381-393.	1.5	48
52	An integrated artificial neural network and fuzzy clustering algorithm for performance assessment of decision making units. Applied Mathematics and Computation, 2007, 187, 584-599.	1.4	46
53	A hybrid meta-heuristic algorithm for optimization of crew scheduling. Applied Soft Computing Journal, 2013, 13, 158-164.	4.1	46
54	A deterministic approach for performance assessment and optimization of power distribution units in Iran. Energy Policy, 2009, 37, 274-280.	4.2	45

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55	A unique fuzzy multi-criteria decision making: computer simulation approach for productive operatorsâ€™ assignment in cellular manufacturing systems with uncertainty and vagueness. International Journal of Advanced Manufacturing Technology, 2011, 56, 329-343.	1.5	45
56	Scheduling prioritized patients in emergency department laboratories. Computer Methods and Programs in Biomedicine, 2014, 117, 61-70.	2.6	43
57	Human factors in maintenance: a review. Journal of Quality in Maintenance Engineering, 2016, 22, 218-237.	1.0	41
58	Integration of analytic hierarchy process and data envelopment analysis for assessment and optimization of personnel productivity in a large industrial bank. Expert Systems With Applications, 2011, 38, 5212-5225.	4.4	40
59	An integrated fuzzy analytic hierarchy process and fuzzy multiple-criteria decision-making simulation approach for maintenance policy selection. Simulation, 2016, 92, 3-18.	1.1	40
60	A hybrid fuzzy regression-fuzzy cognitive map algorithm for forecasting and optimization of housing market fluctuations. Expert Systems With Applications, 2012, 39, 298-315.	4.4	39
61	A meta-heuristic framework for forecasting household electricity consumption. Applied Soft Computing Journal, 2011, 11, 614-620.	4.1	38
62	Unique NSGA-II and MOPSO algorithms for improved dynamic cellular manufacturing systems considering human factors. Applied Mathematical Modelling, 2017, 48, 655-672.	2.2	38
63	A hybrid genetic algorithm-TOPSIS-computer simulation approach for optimum operator assignment in cellular manufacturing systems. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2011, 34, 57-74.	0.6	37
64	An adaptive neural network algorithm for assessment and improvement of job satisfaction with respect to HSE and ergonomics program: The case of a gas refinery. Journal of Loss Prevention in the Process Industries, 2011, 24, 361-370.	1.7	37
65	A particle swarm algorithm for inspection optimization in serial multi-stage processes. Applied Mathematical Modelling, 2012, 36, 1455-1464.	2.2	37
66	A granular computing-based approach to credit scoring modeling. Neurocomputing, 2013, 122, 100-115.	3.5	37
67	Semi-online patient scheduling in pathology laboratories. Artificial Intelligence in Medicine, 2015, 64, 217-226.	3.8	37
68	An integrated fuzzy DEAâ€“fuzzy C-meansâ€“simulation for optimization of operator allocation in cellular manufacturing systems. International Journal of Advanced Manufacturing Technology, 2010, 46, 361-375.	1.5	36
69	An adaptive network based fuzzy inference systemâ€“genetic algorithm clustering ensemble algorithm for performance assessment and improvement of conventional power plants. Expert Systems With Applications, 2011, 38, 2224-2234.	4.4	36
70	Supplier selection in closed loop supply chain by an integrated simulation-Taguchi-DEA approach. Journal of Enterprise Information Management, 2016, 29, 302-326.	4.4	35
71	Multi-objective open shop scheduling by considering human error and preventive maintenance. Applied Mathematical Modelling, 2019, 67, 573-587.	2.2	35
72	An integrated Delphi/VAHP/DEA framework for evaluation of information technology/information system (IT/IS) investments. International Journal of Advanced Manufacturing Technology, 2009, 45, 1233-1251.	1.5	34

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73	A novel framework for improvement of road accidents considering decision-making styles of drivers in a large metropolitan area. Accident Analysis and Prevention, 2016, 87, 17-33.	3.0	34
74	An integrated ant colony optimization approach to compare strategies of clearing market in electricity markets: Agent-based simulation. Energy Policy, 2010, 38, 6307-6319.	4.2	33
75	A DEA approach for ranking and optimisation of technical and management efficiency of a large bank based on financial indicators. International Journal of Operational Research, 2010, 9, 160.	0.1	33
76	An intelligent algorithm for performance evaluation of job stress and HSE factors in petrochemical plants with noise and uncertainty. Journal of Loss Prevention in the Process Industries, 2013, 26, 140-152.	1.7	33
77	Assessment and improvement of integrated HSE and macro-ergonomics factors by fuzzy cognitive maps: The case of a large gasÂrefinery. Journal of Loss Prevention in the Process Industries, 2013, 26, 1015-1026.	1.7	33
78	Performance optimization of an aluminum factory in economic crisis by integrated resilience engineering and mathematical programming. Safety Science, 2017, 91, 335-350.	2.6	33
79	The evaluation of safety behaviors in a gas treatment company in Iran. Journal of Loss Prevention in the Process Industries, 2008, 21, 319-325.	1.7	32
80	An integrated multi-criteria Taguchi computer simulation-DEA approach for optimum maintenance policy and planning by incorporating learning effects. International Journal of Production Research, 2013, 51, 5374-5385.	4.9	32
81	Dynamic safety risk modeling of process systems using bayesian network. Process Safety Progress, 2017, 36, 399-407.	0.4	32
82	Performance evaluation of rail transportation systems by considering resilience engineering factors: Tehran railway electrification system. Transportation Letters, 2018, 10, 12-25.	1.8	32
83	An integrated simulation-based fuzzy regression-time series algorithm for electricity consumption estimation with non-stationary data. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2011, 34, 1047-1066.	0.6	30
84	Behavioral simulation and optimization of generation companies in electricity markets by fuzzy cognitive map. Expert Systems With Applications, 2012, 39, 4635-4646.	4.4	30
85	Modeling and optimizing efficiency gap between managers and operators in integrated resilient systems: The case of a petrochemical plant. Chemical Engineering Research and Design, 2014, 92, 766-778.	2.7	30
86	Improved design of CMS by considering operators decision-making styles. International Journal of Production Research, 2015, 53, 3276-3287.	4.9	30
87	A consensus-based AHP for improved assessment of resilience engineering in maintenance organizations. Journal of Loss Prevention in the Process Industries, 2017, 47, 151-160.	1.7	30
88	A multi-objective optimization problem for multi-state series-parallel systems: A two-stage flow-shop manufacturing system. Reliability Engineering and System Safety, 2015, 136, 62-74.	5.1	29
89	Performance evaluation of Iranian electricity distribution units by using stochastic data envelopment analysis. International Journal of Electrical Power and Energy Systems, 2015, 73, 919-931.	3.3	28
90	Performance assessment and optimization of HSE management systems with human error and ambiguity by an integrated fuzzy multivariate approach in a large conventional power plant manufacturer. Journal of Loss Prevention in the Process Industries, 2012, 25, 594-603.	1.7	27

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91	An integrated framework for continuous assessment and improvement of manufacturing systems. Applied Mathematics and Computation, 2007, 186, 1216-1233.	1.4	26
92	Improved prediction of mental workload versus HSE and ergonomics factors by an adaptive intelligent algorithm. Safety Science, 2013, 58, 59-75.	2.6	26
93	A neuro-fuzzy-multivariate algorithm for accurate gas consumption estimation in South America with noisy inputs. International Journal of Electrical Power and Energy Systems, 2013, 46, 315-325.	3.3	26
94	An integrated fuzzy simulationâ€“fuzzy data envelopment analysis approach for optimum maintenance planning. International Journal of Computer Integrated Manufacturing, 2014, 27, 181-199.	2.9	26
95	Optimization of healthcare supply chain in context of macro-ergonomics factors by a unique mathematical programming approach. Applied Ergonomics, 2016, 55, 46-55.	1.7	26
96	Integrated HSEE management systems for industry: A case study in gas refinary. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2009, 32, 235-241.	0.6	25
97	Predictive control of drying process using an adaptive neuro-fuzzy and partial least squares approach. International Journal of Advanced Manufacturing Technology, 2012, 58, 585-596.	1.5	25
98	Optimisation of facility layout design problem with safety and environmental factors by stochastic DEA and simulation approach. International Journal of Production Research, 2015, 53, 3370-3389.	4.9	25
99	The impact of decision-making units features on efficiency by integration of data envelopment analysis, artificial neural network, fuzzy C-means and analysis of variance. International Journal of Operational Research, 2010, 7, 387.	0.1	24
100	An integrated neural networkâ€“simulation algorithm for performance optimisation of the bi-criteria two-stage assembly flow-shop scheduling problem with stochastic activities. International Journal of Production Research, 2012, 50, 7271-7284.	4.9	24
101	Hybrid Fuzzy Regressionâ€“Artificial Neural Network for Improvement of Short-Term Water Consumption Estimation and Forecasting in Uncertain and Complex Environments: Case of a Large Metropolitan City. Journal of Water Resources Planning and Management - ASCE, 2012, 138, 71-75.	1.3	24
102	Diagnosing, Simulating and Improving Business Process Using Cybernetic Laws and the Viable System Model: The Case of a Purchasing Process. Systems Research and Behavioral Science, 2012, 29, 66-86.	0.9	24
103	Optimum estimation of missing values in randomized complete block design by genetic algorithm. Knowledge-Based Systems, 2013, 37, 37-47.	4.0	24
104	A unique algorithm for the assessment and improvement of job satisfaction by resilience engineering: Hazardous labs. International Journal of Industrial Ergonomics, 2015, 49, 68-77.	1.5	24
105	Hybrid Multiobjective Robust Possibilistic Programming Approach to a Sustainable Bioethanol Supply Chain Network Design. Industrial & Engineering Chemistry Research, 2018, 57, 15066-15083.	1.8	24
106	An adaptive intelligent algorithm for forecasting long term gasoline demand estimation: The cases of USA, Canada, Japan, Kuwait and Iran. Expert Systems With Applications, 2010, 37, 7427-7437.	4.4	23
107	An integrated fuzzy DEAâ€“Fuzzy simulation approach for optimization of operator allocation with learning effects in multi products CMS. Applied Mathematical Modelling, 2013, 37, 9922-9933.	2.2	23
108	A neuro-fuzzy algorithm for assessment of health, safety, environment and ergonomics in a large petrochemical plant. Journal of Loss Prevention in the Process Industries, 2015, 34, 100-114.	1.7	23

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109	An emotional learning-neuro-fuzzy inference approach for optimum training and forecasting of gas consumption estimation models with cognitive data. Technological Forecasting and Social Change, 2015, 91, 47-63.	6.2	23
110	Design of practical optimum JIT systems by integration of computer simulation and analysis of variance. Computers and Industrial Engineering, 2005, 49, 504-519.	3.4	22
111	An adaptive network based fuzzy inference systemâ€“auto regressionâ€“analysis of variance algorithm for improvement of oil consumption estimation and policy making: The cases of Canada, United Kingdom, and South Korea. Applied Mathematical Modelling, 2011, 35, 581-593.	2.2	22
112	A computer simulation model for analysing performance of inventory policy in multi-product mode in two-echelon supply chain. International Journal of Logistics Systems and Management, 2011, 8, 66.	0.2	22
113	Robust design of a sustainable and resilient bioethanol supply chain under operational and disruption risks. Clean Technologies and Environmental Policy, 2020, 22, 119-151.	2.1	22
114	Fuzzy modelling and simulation of an emergency department for improvement of nursing schedules with noisy and uncertain inputs. International Journal of Services and Operations Management, 2013, 15, 58.	0.1	21
115	Artificial immune simulation for improved forecasting of electricity consumption with random variations. International Journal of Electrical Power and Energy Systems, 2014, 55, 205-224.	3.3	21
116	Simulation optimization of an emergency department by modeling human errors. Simulation Modelling Practice and Theory, 2016, 67, 117-136.	2.2	21
117	Intelligent customer complaint handling utilising principal component and data envelopment analysis (PDA). Applied Soft Computing Journal, 2016, 47, 614-630.	4.1	21
118	Optimum design approach based on integrated macro-ergonomics and resilience engineering in a tile and ceramic factory. Safety Science, 2017, 96, 62-74.	2.6	21
119	Combinatorial optimization of resilience engineering and organizational factors in a gas refinery by a unique mathematical programming approach. Human Factors and Ergonomics in Manufacturing, 2017, 27, 53-65.	1.4	21
120	A novel multi-objective fuzzy model for optimization of oil sludge management by considering Health, Safety and Environment (HSE) and resiliency indicators in a gas refinery. Journal of Cleaner Production, 2019, 206, 559-571.	4.6	21
121	A flexible artificial neural networkâ€“fuzzy simulation algorithm for scheduling a flow shop with multiple processors. International Journal of Advanced Manufacturing Technology, 2010, 50, 699-715.	1.5	20
122	An integrated artificial neural network algorithm for performance assessment and optimization of decision making units. Expert Systems With Applications, 2010, 37, 5688-5697.	4.4	20
123	An Integrated Artificial Neural Network Fuzzy C-Means-Normalization Algorithm for performance assessment of decision-making units: The cases of auto industry and power plant. Computers and Industrial Engineering, 2011, 60, 328-340.	3.4	20
124	A Neuro-Fuzzy-Regression Algorithm for Improved Prediction of Manufacturing Lead Time with Machine Breakdowns. Concurrent Engineering Research and Applications, 2011, 19, 269-281.	2.0	20
125	An intelligent decision support system for forecasting and optimization of complex personnel attributes in a large bank. Expert Systems With Applications, 2012, 39, 12358-12370.	4.4	20
126	The impact of job security, satisfaction and stress on performance assessment and optimization of generation companies. Journal of Loss Prevention in the Process Industries, 2014, 32, 343-348.	1.7	20

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127	Optimization of Short Load Forecasting in Electricity Market of Iran Using Artificial Neural Networks. Optimization and Engineering, 2014, 15, 485-508.	1.3	20
128	Optimum Integrated Design of Crude Oil Supply Chain by a Unique Mixed Integer Nonlinear Programming Model. Industrial & Engineering Chemistry Research, 2017, 56, 5734-5746.	1.8	20
129	Scheduling elective patients based on sequence-dependent setup times in an open-heart surgical department using an optimization and simulation approach. Simulation, 2019, 95, 1141-1164.	1.1	20
130	Mapping the influences of resilience engineering on health, safety, and environment and ergonomics management system by using Zâ€•number cognitive map. Human Factors and Ergonomics in Manufacturing, 2019, 29, 141-153.	1.4	20
131	An integrated PCA DEA framework for assessment and ranking of manufacturing systems based on equipment performance. Engineering Computations, 2007, 24, 347-372.	0.7	19
132	A multi-objective genetic algorithm for scheduling optimisation of m job families on a single machine. International Journal of Industrial and Systems Engineering, 2010, 6, 417.	0.1	19
133	A flexible ANN-GA-multivariate algorithm for assessment and optimization of machinery productivity in complex production units. Journal of Manufacturing Systems, 2015, 35, 46-75.	7.6	19
134	Identification of managerial shaping factors in a petrochemical plant by resilience engineering and data envelopment analysis. Journal of Loss Prevention in the Process Industries, 2015, 36, 158-166.	1.7	19
135	Optimization of facility layout design with ambiguity by an efficient fuzzy multivariate approach. International Journal of Advanced Manufacturing Technology, 2016, 84, 565-579.	1.5	19
136	Performance optimization of organizations considering economic resilience factors under uncertainty: A case study of a petrochemical plant. Journal of Cleaner Production, 2019, 231, 1526-1541.	4.6	19
137	Integration of simulation and fuzzy multi-attribute decision making for modelling and assessment of fuzzy parameters. International Journal of Industrial and Systems Engineering, 2010, 6, 483.	0.1	18
138	An integrated artificial neural network-computer simulation for optimization of complex tandem queue systems. Mathematics and Computers in Simulation, 2011, 82, 666-678.	2.4	18
139	An integrated fuzzy regression-data envelopment analysis algorithm for optimum oil consumption estimation with ambiguous data. Applied Soft Computing Journal, 2012, 12, 2614-2630.	4.1	18
140	Optimization of HSE in maintenance activities by integration of continuous improvement cycle and fuzzy multivariate approach: A gas refinery. Journal of Loss Prevention in the Process Industries, 2014, 32, 415-427.	1.7	18
141	A Flexible Neuroâ€Fuzzy Approach for Improvement of Seasonal Housing Price Estimation in Uncertain and Nonâ€Linear Environments. South African Journal of Economics, 2014, 82, 567-582.	1.0	18
142	A GAâ€“PCA approach for power sector performance ranking based on machine productivity. Applied Mathematics and Computation, 2007, 186, 1205-1215.	1.4	17
143	An integrated fuzzy DEA algorithm for efficiency assessment and optimization of wireless communication sectors with ambiguous data. International Journal of Advanced Manufacturing Technology, 2011, 52, 805-819.	1.5	17
144	An emotional learning-based fuzzy inference system for improvement of system reliability evaluation in redundancy allocation problem. International Journal of Advanced Manufacturing Technology, 2013, 66, 1657-1672.	1.5	17

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145	A particle swarm algorithm for optimising inspection policies in serial multistage production processes with uncertain inspection costs. International Journal of Computer Integrated Manufacturing, 2015, 28, 766-780.	2.9	17
146	Solving and optimizing a bi-objective open shop scheduling problem by a modified genetic algorithm. International Journal of Advanced Manufacturing Technology, 2016, 85, 1603-1613.	1.5	17
147	An improved model for production systems with mixed queuing priorities: an integrated simulation, AHP and Value Engineering approach. International Journal of Industrial and Systems Engineering, 2009, 4, 536.	0.1	16
148	A consistent approach for performance measurement of electricity distribution companies. International Journal of Energy Sector Management, 2010, 4, 399-416.	1.2	16
149	Design and implementation of an integrated Taguchi method for continuous assessment and improvement of manufacturing systems. International Journal of Advanced Manufacturing Technology, 2012, 59, 1073-1089.	1.5	16
150	A new approach for layout optimization in maintenance workshops with safety factors: The case of a gas transmission unit. Journal of Loss Prevention in the Process Industries, 2013, 26, 1457-1465.	1.7	16
151	A novel algorithm for layout optimization of injection process with random demands and sequence dependent setup times. Journal of Manufacturing Systems, 2014, 33, 287-302.	7.6	16
152	Dynamic maintenance planning approach by considering grouping strategy and human factors. Chemical Engineering Research and Design, 2017, 107, 289-298.	2.7	16
153	A Fuzzy Mathematical Programming Approach to DEA Models. American Journal of Applied Sciences, 2008, 5, 1352-1357.	0.1	16
154	A Total Ergonomic Design Approach to Enhance the Productivity in a Complicated Control System. Information Technology Journal, 2007, 6, 1036-1042.	0.3	16
155	An integrated multivariate approach for performance assessment and optimisation of electricity transmission systems. International Journal of Industrial and Systems Engineering, 2010, 5, 226.	0.1	15
156	An integrated decision support system for performance assessment and optimization of decision-making units. International Journal of Advanced Manufacturing Technology, 2013, 66, 1031-1045.	1.5	15
157	An adaptive algorithm for assessment of operators with job security and HSEE indicators. Journal of Loss Prevention in the Process Industries, 2014, 31, 26-40.	1.7	15
158	An integrated experiment for identification of best decision styles and teamworks with respect to HSE and ergonomics program: The case of a large oil refinery. Accident Analysis and Prevention, 2015, 85, 30-44.	3.0	15
159	A unique adaptive neuro fuzzy inference system for optimum decision making process in a natural gas transmission unit. Journal of Natural Gas Science and Engineering, 2016, 34, 472-485.	2.1	15
160	An integrated approach for aircraft turbofan engine fault detection based on data mining techniques. Expert Systems, 2019, 36, e12370.	2.9	15
161	An efficient simulationâ€“neural networkâ€“genetic algorithm for flexible flow shops with sequence-dependent setup times, job deterioration and learning effects. Neural Computing and Applications, 2019, 31, 5327-5341.	3.2	15
162	Modeling an integrated health, safety and ergonomics management system: application to power plants. Journal of Research in Health Sciences, 2007, 7, 1-10.	0.9	15

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163	A hybrid GA-simulation approach to improve JIT systems. International Journal of Production Research, 2010, 48, 2323-2344.	4.9	14
164	An integrated simulation-analysis of variance methodology for effective analysis of CBM alternatives. International Journal of Computer Integrated Manufacturing, 2014, 27, 624-637.	2.9	14
165	An integrated FTA-DFMEA approach for reliability analysis and product configuration considering warranty cost. Production Engineering, 2015, 9, 635-646.	1.1	14
166	An Efficient Taguchi Approach for the Performance Optimization of Health, Safety, Environment and Ergonomics in Generation Companies. Safety and Health at Work, 2015, 6, 77-84.	0.3	14
167	A neuro-fuzzy algorithm for improved gas consumption forecasting with economic, environmental and IT/IS indicators. Journal of Petroleum Science and Engineering, 2015, 133, 716-739.	2.1	14
168	Designing a cellular manufacturing system considering decision style, skill and job security by NSGA-II and response surface methodology. International Journal of Production Research, 2016, 54, 6825-6847.	4.9	14
169	Simulation optimization of lean production strategy by considering resilience engineering in a production system with maintenance policies. Simulation, 2017, 93, 49-68.	1.1	14
170	Electrical Energy Consumption Estimation by Genetic Algorithm. , 2006, , .		13
171	An empirical study of the end-user satisfaction with information systems using the Doll and Torkzadeh instrument. International Journal of Business Information Systems, 2009, 4, 324.	0.2	13
172	Integration of simulation, design of experiment and goal programming for minimization of makespan and tardiness. International Journal of Advanced Manufacturing Technology, 2010, 46, 431-444.	1.5	13
173	An adaptive network based fuzzy inference system-fuzzy data envelopment analysis for gas consumption forecasting and analysis: The case of South America. , 2010, , .		13
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