Ali Azadeh

List of Publications by Citations

352 papers	6,486 citations	41 h-index	63 g-index
379 ext. papers	7,364 ext. citations	3.5 avg, IF	6.37 L-index

#	Paper	IF	Citations
352	Annual electricity consumption forecasting by neural network in high energy consuming industrial sectors. *Energy Conversion and Management*, **2008**, 49, 2272-2278	10.6	193
351	Integration of artificial neural networks and genetic algorithm to predict electrical energy consumption. *Applied Mathematics and Computation*, **2007**, 186, 1731-1741	2.7	175
350	Integration of genetic algorithm, computer simulation and design of experiments for forecasting electrical energy consumption. *Energy Policy*, **2007**, 35, 5229-5241	7.2	146
349	A simulated-based neural network algorithm for forecasting electrical energy consumption in Iran. *Energy Policy*, **2008**, 36, 2637-2644	7.2	137
348	Dynamic safety assessment of natural gas stations using Bayesian network. *Journal of Hazardous Materials*, **2017**, 321, 830-840	12.8	132
347	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	7.2	126
346	Forecasting electrical consumption by integration of Neural Network, time series and ANOVA. *Applied Mathematics and Computation*, **2007**, 186, 1753-1761	2.7	108
345	An integrated artificial neural networks approach for predicting global radiation. *Energy Conversion and Management*, **2009**, 50, 1497-1505	10.6	94
344	Integration of DEA and AHP with computer simulation for railway system improvement and optimization. *Applied Mathematics and Computation*, **2008**, 195, 775-785	2.7	93
343	An adaptive network-based fuzzy inference system for short-term natural gas demand estimation: Uncertain and complex environments. *Energy Policy*, **2010**, 38, 1529-1536	7.2	91
342	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	7.8	89
341	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	7.7	89
340	An integrated fuzzy regression algorithm for energy consumption estimation with non-stationary data: A case study of Iran. *Energy*, **2010**, 35, 2351-2366	7.9	84
339	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	7.5	81
338	Assessment of resilience engineering factors in high-risk environments by fuzzy cognitive maps: A petrochemical plant. *Safety Science*, **2014**, 68, 99-107	5.8	77
337	Improved estimation of electricity demand function by integration of fuzzy system and data mining approach. *Energy Conversion and Management*, **2008**, 49, 2165-2177	10.6	77
336	Optimum estimation and forecasting of renewable energy consumption by artificial neural networks. *Renewable and Sustainable Energy Reviews*, **2013**, 27, 605-612	16.2	74

335	A stochastic programming approach towards optimization of biofuel supply chain. *Energy*, **2014**, 76, 513-525	7.95	73
334	A supplier selection and order allocation model with multiple transportation alternatives. *International Journal of Advanced Manufacturing Technology*, **2011**, 52, 365-376	3.2	70
333	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	5.5	68
332	A flexible neural network-fuzzy mathematical programming algorithm for improvement of oil price estimation and forecasting. *Computers and Industrial Engineering*, **2012**, 62, 421-430	6.4	67
331	Location optimization of wind plants in Iran by an integrated hierarchical Data Envelopment Analysis. *Renewable Energy*, **2011**, 36, 1621-1631	8.1	62
330	Performance assessment of electric power generations using an adaptive neural network algorithm. *Energy Policy*, **2007**, 35, 3155-3166	7.2	61
329	Leanness assessment and optimization by fuzzy cognitive map and multivariate analysis. *Expert Systems With Applications*, **2015**, 42, 6050-6064	7.8	60
328	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	10.7	60
327	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	6.4	58
326	Location optimization of solar plants by an integrated hierarchical DEA PCA approach. *Energy Policy*, **2008**, 36, 3993-4004	7.2	58
325	An integrated DEA COLS SFA algorithm for optimization and policy making of electricity distribution units. *Energy Policy*, **2009**, 37, 2605-2618	7.2	56
324	Z-number DEA: A new possibilistic DEA in the context of Z-numbers. *Advanced Engineering Informatics*, **2016**, 30, 604-617	7.4	56
323	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	7.8	54
322	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	7.8	53
321	An integrated systemic model for optimization of condition-based maintenance with human error. *Reliability Engineering and System Safety*, **2014**, 124, 117-131	6.3	50
320	A hybrid simulation-adaptive network based fuzzy inference system for improvement of electricity consumption estimation. *Expert Systems With Applications*, **2009**, 36, 11108-11117	7.8	50
319	An integrated Data Envelopment Analysis Artificial Neural Network Rough Set Algorithm for assessment of personnel efficiency. *Expert Systems With Applications*, **2011**, 38, 1364-1373	7.8	48
318	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	6.4	47

317	Biodiesel supply chain optimization via a hybrid system dynamics-mathematical programming approach. *Renewable Energy*, **2016**, 93, 383-403	8.1	46
316	Evolutionary multi-objective optimization of environmental indicators of integrated crude oil supply chain under uncertainty. *Journal of Cleaner Production*, **2017**, 152, 295-311	10.3	45
315	Z-AHP: A Z-number extension of fuzzy analytical hierarchy process **2013**,		45
314	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	4.6	44
313	Location optimization of wind power generation–transmission systems under uncertainty using hierarchical fuzzy DEA: A case study. *Renewable and Sustainable Energy Reviews*, **2014**, 30, 877-885	16.2	44
312	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	5.6	44
311	An integrated artificial neural network and fuzzy clustering algorithm for performance assessment of decision making units. *Applied Mathematics and Computation*, **2007**, 187, 584-599	2.7	40
310	Modelling and improvement of supply chain with imprecise transportation delays and resilience factors. *International Journal of Logistics Research and Applications*, **2014**, 17, 269-282	3.8	39
309	A deterministic approach for performance assessment and optimization of power distribution units in Iran. *Energy Policy*, **2009**, 37, 274-280	7.2	39
308	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	8.1	39
307	Condition-based maintenance effectiveness for series–parallel power generation system—A combined Markovian simulation model. *Reliability Engineering and System Safety*, **2015**, 142, 357-368	6.3	36
306	A hybrid meta-heuristic algorithm for optimization of crew scheduling. *Applied Soft Computing Journal*, **2013**, 13, 158-164	7.5	36
305	A unique fuzzy multi-criteria decision making: computer simulation approach for productive operators' assignment in cellular manufacturing systems with uncertainty and vagueness. *International Journal of Advanced Manufacturing Technology*, **2011**, 56, 329-343	3.2	36
304	A flexible fuzzy regression algorithm for forecasting oil consumption estimation. *Energy Policy*, **2009**, 37, 5567-5579	7.2	36
303	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	5.8	35
302	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	7.8	34
301	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	3.5	33
300	Performance optimization of integrated resilience engineering and lean production principles. *Expert Systems With Applications*, **2017**, 84, 155-170	7.8	32

299	An integrated fuzzy analytic hierarchy process and fuzzy multiple-criteria decision-making simulation approach for maintenance policy selection. *Simulation*, **2016**, 92, 3-18	1.2	32
298	A robust decision-making methodology for evaluation and selection of simulation software package. *International Journal of Advanced Manufacturing Technology*, **2010**, 47, 381-393	3.2	32
297	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	31
296	Human factors in maintenance: a review. *Journal of Quality in Maintenance Engineering*, **2016**, 22, 218-237.	7.1	31
295	Scheduling prioritized patients in emergency department laboratories. *Computer Methods and Programs in Biomedicine*, **2014**, 117, 61-70	6.9	30
294	An adaptive network based fuzzy inference system-genetic algorithm clustering ensemble algorithm for performance assessment and improvement of conventional power plants. *Expert Systems With Applications*, **2011**, 38, 2224-2234	7.8	30
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282	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	7.8	27

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280	Performance optimization of an aluminum factory in economic crisis by integrated resilience engineering and mathematical programming. *Safety Science*, **2017**, 91, 335-350	5.8	26
279	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	6.3	25
278	An integrated fuzzy simulation-Fuzzy data envelopment analysis approach for optimum maintenance planning. *International Journal of Computer Integrated Manufacturing*, **2014**, 27, 181-199	4.3	25
277	Behavioral simulation and optimization of generation companies in electricity markets by fuzzy cognitive map. *Expert Systems With Applications*, **2012**, 39, 4635-4646	7.8	25
276	A hybrid genetic algorithm-TOPSIS-computer simulation approach for optimum operator assignment in cellular manufacturing systems **2011**, 34, 57-74		25
275	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	5.5	24
274	An integrated ant colony optimization approach to compare strategies of clearing market in electricity markets: Agent-based simulation. *Energy Policy*, **2010**, 38, 6307-6319	7.2	24
273	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	5.1	23
272	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	1.8	23
271	An integrated simulation-based fuzzy regression-time series algorithm for electricity consumption estimation with non-stationary data **2011**, 34, 1047-1066		23
270	The evaluation of safety behaviors in a gas treatment company in Iran. *Journal of Loss Prevention in the Process Industries*, **2008**, 21, 319-325	3.5	23
269	An integrated framework for continuous assessment and improvement of manufacturing systems. *Applied Mathematics and Computation*, **2007**, 186, 1216-1233	2.7	22
268	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	3.5	21
267	An integrated fuzzy DEA-Fuzzy simulation approach for optimization of operator allocation with learning effects in multi products CMS. *Applied Mathematical Modelling*, **2013**, 37, 9922-9933	4.5	21
266	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	5.1	21
265	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	7.8	21
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262	An adaptive network based fuzzy inference system-auto regression-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	4.5	21
261	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	9.5	20
260	Performance evaluation of rail transportation systems by considering resilience engineering factors: Tehran railway electrification system. *Transportation Letters*, **2018**, 10, 12-25	2.1	20
259	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	6.1	20
258	Hybrid Fuzzy Regression-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	2.8	20
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256	Multi-objective open shop scheduling by considering human error and preventive maintenance. *Applied Mathematical Modelling*, **2019**, 67, 573-587	4.5	20
255	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	3.5	19
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252	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	2.9	18
251	Assessment and improvement of integrated HSE and macro-ergonomics factors by fuzzy cognitive maps: The case of a large gas refinery. *Journal of Loss Prevention in the Process Industries*, **2013**, 26, 1015-1026	3.5	18
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248	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	0.9	18
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244	Simulation optimization of an emergency department by modeling human errors. *Simulation Modelling Practice and Theory*, **2016**, 67, 117-136	3.9	17
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242	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	0.7	17
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239	An integrated artificial neural network-computer simulation for optimization of complex tandem queue systems. *Mathematics and Computers in Simulation*, **2011**, 82, 666-678	3.3	16
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234	An integrated fuzzy regression-data envelopment analysis algorithm for optimum oil consumption estimation with ambiguous data. *Applied Soft Computing Journal*, **2012**, 12, 2614-2630	7.5	15
233	A flexible artificial neural network-fuzzy simulation algorithm for scheduling a flow shop with multiple processors. *International Journal of Advanced Manufacturing Technology*, **2010**, 50, 699-715	3.2	15
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231	A Total Ergonomic Design Approach to Enhance the Productivity in a Complicated Control System. *Information Technology Journal*, **2007**, 6, 1036-1042	0.7	15
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225	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	3.2	14
224	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	6.4	14
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221	An integrated artificial neural network algorithm for performance assessment and optimization of decision making units. *Expert Systems With Applications*, **2010**, 37, 5688-5697	7.8	14
220	A GA-PCA approach for power sector performance ranking based on machine productivity. *Applied Mathematics and Computation*, **2007**, 186, 1205-1215	2.7	14
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218	Intelligent customer complaint handling utilising principal component and data envelopment analysis (PDA). *Applied Soft Computing Journal*, **2016**, 47, 614-630	7.5	13
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216	An integrated simulation-analysis of variance methodology for effective analysis of CBM alternatives. *International Journal of Computer Integrated Manufacturing*, **2014**, 27, 624-637	4.3	13
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196	An adaptive network based fuzzy inference system-fuzzy data envelopment analysis for gas consumption forecasting and analysis: The case of South America **2010**,		11
195	IMPLEMENTATION OF MULTIVARIATE METHODS AS DECISION MAKING MODELS FOR OPTIMIZATION OF OPERATOR ALLOCATION BY COMPUTER SIMULATION IN CMS. *Journal of the Chinese Institute of Industrial Engineers*, **2009**, 26, 316-325		11
194	A PRINCIPLE COMPONENT ANALYSIS ‖NUMERICAL TAXONOMY APPROACH FOR EXPORT PERFORMANCE ASSESSMENT: THE CASE OF IRANIAN CHEMICAL UNITS. *Singapore Economic Review* , **2009**, 54, 689-707	0.7	11
193	SAFETY BEHAVIORS ASSESSMENT IN PROCESS INDUSTRY: A CASE STUDY IN GAS REFINERY. *Journal of the Chinese Institute of Industrial Engineers*, **2008**, 25, 298-305		11
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176	Integration of PCA and DEA for identifying and improving the impact of Six Sigma implementation on job characteristics in an automotive industry. *Quality Engineering*, **2017**, 29, 273-290	1.4	9
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170	An integrated approach for maintenance planning by considering human factors: Application to a petrochemical plant. *Chemical Engineering Research and Design*, **2017**, 109, 400-409	5.5	8
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168	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	3.5	8
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163	Estimating and improving electricity demand function in residential sector with imprecise data by fuzzy regression. *International Journal of Mathematics in Operational Research*, **2010**, 2, 405	0.8	8
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160	A Framework for Development of Integrated Inteligent Human Engineering Environment. *Information Technology Journal*, **2006**, 5, 290-299	0.7	8
159	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	7.8	8
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156	A hybrid computer simulation-adaptive neuro-fuzzy inference system algorithm for optimization of dispatching rule selection in job shop scheduling problems under uncertainty. *International Journal of Advanced Manufacturing Technology*, **2015**, 79, 135-145	3.2	7

155	The Impact of Redundancy and Teamwork on Resilience Engineering Factors by Fuzzy Mathematical Programming and Analysis of Variance in a Large Petrochemical Plant. *Safety and Health at Work*, **2016**, 7, 307-316	4	7
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148	Optimisation of complex and large-sized single-row facility layout problems with a unique hybrid meta-heuristic framework. *International Journal of Operational Research*, **2013**, 16, 38	0.9	7
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141	An integrated off-on line approach for increasing stability and effectiveness of automated controlled systems based on pump dependability⊡ase study: Offshore industry. *Journal of Loss Prevention in the Process Industries*, **2006**, 19, 542-552	3.5	7
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139	An efficient simulation⊡eural network⊡enetic algorithm for flexible flow shops with sequence-dependent setup times, job deterioration and learning effects. *Neural Computing and Applications*, **2019**, 31, 5327-5341	4.8	7
138	Solving a multi-objective open shop problem for multi-processors under preventive maintenance. *International Journal of Advanced Manufacturing Technology*, **2015**, 78, 707-722	3.2	6

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135	A unique fuzzy multivariate modeling approach for performance optimization of maintenance workshops with cognitive factors. *International Journal of Advanced Manufacturing Technology*, **2017**, 90, 499-525	3.2	6
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131	A Meta heuristic approach for performance assessment of production units. *Expert Systems With Applications*, **2009**, 36, 6559-6569	7.8	6
130	A novel hybrid fuzzy logic-genetic algorithm-data envelopment approach for simulation optimisation of pressure vessel design problems. *International Journal of Mathematics in Operational Research*, **2012**, 4, 703	0.8	6
129	Integrated assessment of auto industries by principal component analysis. *International Journal of Industrial and Systems Engineering*, **2007**, 2, 348	0.4	6
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127	Optimization of supplier selection problem by combined customer trust and resilience engineering under uncertainty. *International Journal of Systems Assurance Engineering and Management*, **2017**, 8, 1553-1566	1.3	6
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122	Trust prediction using Z-numbers and Artificial Neural Networks **2014**,		5
121	Optimization of steel demand forecasting with complex and uncertain economic inputs by an integrated neural network-fuzzy mathematical programming approach. *International Journal of Advanced Manufacturing Technology*, **2013**, 65, 833-841	3.2	5
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119	A trust-based performance measurement modeling using t-norm and t-conorm operators. *Applied Soft Computing Journal*, **2015**, 30, 491-500	7.5	5
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114	An artificial neural network approach for improved demand estimation of a cool-disk manufacturer. *International Journal of Industrial and Systems Engineering*, **2011**, 7, 357	0.4	5
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112	The evaluation and improvement of safety behaviors among contractors of a large steel manufacturing company by fuzzy data envelopment analysis **2010**, 33, 823-832		5
111	An integrated genetic algorithm-conventional regression-analysis of variance for improvement of gasoline demand estimation. *International Journal of Industrial and Systems Engineering*, **2012**, 11, 205	0.4	5
110	An integrated GA-time series algorithm for forecasting oil production estimation: USA, Russia, India, and Brazil. *International Journal of Industrial and Systems Engineering*, **2009**, 4, 368	0.4	5
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104	An integrated fuzzy algorithm approach to factory floor design incorporating environmental quality and health impact. *International Journal of Systems Assurance Engineering and Management*, **2017**, 8, 2071-2082	1.3	4
103	A novel benchmark methodology for estimating industrial electricity demand considering unsteady socio-economic conditions. *International Journal of Business Performance Management*, **2017**, 18, 196	0.7	4
102	An intelligent algorithm for identification of optimum mix of demographic features for trust in medical centers in Iran. *Artificial Intelligence in Medicine*, **2018**, 88, 25-36	7.4	4

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100	An Integrated Multi-Criteria Computer Simulation-AHP-TOPSIS Approach for Optimum Maintenance Planning by Incorporating Operator Error and Learning Effects. *Intelligent Industrial Systems*, **2016**, 2, 35-53		4
99	A unique fuzzy multi-control approach for continuous quality improvement in a radio therapy department. *Quality and Quantity*, **2016**, 50, 2469-2493	2.4	4
98	An integrated fuzzy mathematical programming-analysis of variance approach for forecasting gasoline consumption with ambiguous inputs: USA, Canada, Japan, Iran and Kuwait. *International Journal of Industrial and Systems Engineering*, **2014**, 18, 159	0.4	4
97	Assessing the impact of the information technology on organisational systems: a power holding company. *International Journal of Business Information Systems*, **2015**, 19, 433	0.6	4
96	An integrated simulation-DEA approach to improve quality care of medical centres. *International Journal of Process Management and Benchmarking*, **2013**, 3, 352	0.3	4
95	An Adaptive-Network-Based Fuzzy Inference System for Long-Term Electric Consumption Forecasting (2008-2015): A Case Study of the Group of Seven (G7) Industrialized Nations: U.S.A., Canada, Germany, United Kingdom, Japan, France and Italy **2010**,		4
94	An intelligent approach for improved predictive control of spray drying process **2010**,		4
93	A hybrid computer simulation genetic algorithm for scheduling optimisation of cargo trains with time and queue limitations. *International Journal of Industrial and Systems Engineering*, **2011**, 8, 157	0.4	4
92	An integrated fuzzy regression algorithm for improved electricity consumption estimation. *International Journal of Operational Research*, **2010**, 9, 1	0.9	4
91	Estimating Electricity Demand Function in Residential Sector by Fuzzy Regression **2006**,		4
90	A Framework for Design of Intelligent Simulation Environment. *Journal of Computer Science*, **2006**, 2, 363-369	0.5	4
89	An intelligent framework for performance optimisation of integrated management system and resilience engineering in pharmaceutical plants. *Total Quality Management and Business Excellence*, **2019**, 30, 953-989	2.7	4
88	Simulation optimization of complex tandem queue systems with reneging and server breakdowns considering budget constraints. *Simulation*, **2015**, 91, 925-941	1.2	3
87	An intelligent algorithm for optimizing emergency department job and patient satisfaction. *International Journal of Health Care Quality Assurance*, **2018**, 31, 374-390	1.3	3
86	Optimization of supply chain based on macro ergonomics criteria: A case study in gas transmission unit. *Journal of Loss Prevention in the Process Industries*, **2016**, 43, 332-351	3.5	3
85	An integrated approach for configuration optimization in a CBM system by considering fatigue effects. *International Journal of Advanced Manufacturing Technology*, **2016**, 86, 1881-1893	3.2	3
84	Improved prediction of household expenditure by living standard measures via a unique neural network: the case of Iran. *International Journal of Productivity and Quality Management*, **2016**, 17, 142	0.3	3

83	A unique intelligent approach for forecasting project completion time in oil refineries. *Journal of Loss Prevention in the Process Industries*, **2014**, 30, 137-154	3.5	3
82	Assessing the impact of information technology in a power sector by fuzzy analysis of variance. *International Journal of Business Information Systems*, **2014**, 17, 129	0.6	3
81	Optimisation of net profit with uncertain inputs in manufacturing environments by integration of neural networks, genetic algorithm and fuzzy regression. *International Journal of Industrial and Systems Engineering*, **2014**, 16, 88	0.4	3
80	Performance optimisation of mammography clinics with non-crisp inputs by an integrated fuzzy simulation approach. *International Journal of Services and Operations Management*, **2014**, 19, 514	0.4	3
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78	Simulation optimisation of total cost in M/G/C retrial queuing systems with geometric loss, feedback and linear retrial policy. *International Journal of Services and Operations Management*, **2015**, 20, 320	0.4	3
77	An intelligent multivariate approach for optimum forecasting of daily ozone concentration in large metropolitans with incomplete inputs. *International Journal of Productivity and Quality Management*, **2013**, 12, 209	0.3	3
76	Prediction of manufacturing lead time based on Adaptive Neuro-Fuzzy Inference System (ANFIS) **2011**,		3
75	An integrated genetic algorithm-principal component analysis for improvement and estimation of gas consumption in Finland, Hungary, Ireland, Japan and Malaysia. *International Journal of Operational Research*, **2012**, 13, 147	0.9	3
74	Modelling priority queues with dependent service discipline by computer simulation. *International Journal of Industrial and Systems Engineering*, **2010**, 6, 79	0.4	3
73	A novel approach for efficiency assessment of conventional power plants based on principal component analysis. *International Journal of Productivity and Quality Management*, **2010**, 6, 231	0.3	3
72	The effect of neural network parameters on the performance of neural network forecasting **2008**,		3
71	A review and comparison of fuzzy regression models for energy consumption estimation **2008**,		3
70	Integration of Artificial Neural Networks and Genetic Algorithm to Predict Electrical Energy Consumption in Energy Intensive Sector **2006**,		3
69	Optimization of an Automatic Blast Furnace through Integrated Simulation Modeling. *Journal of Computer Science*, **2006**, 2, 382-387	0.5	3
68	Modeling an integrated health, safety and ergonomics management system: application to power plants. *Journal of Research in Health Sciences*, **2007**, 7, 1-10	1.2	3
67	An Integrated and Multivariate Model along with Designing Experiments Approach for Assessment of Micro- and Macro- Ergonomic Factors: The Case of a Gas Refinery. *Journal of Research in Health Sciences*, **2008**, 8, 28-39	1.2	3
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65	Selecting optimum maintenance activity plans by a unique simulation-multivariate approach. *International Journal of Computer Integrated Manufacturing*, **2015**, 1-15	4.3	2
64	Selection of optimum maintenance policy using an integrated multi-criteria Taguchi modeling approach by considering resilience engineering. *International Journal of Advanced Manufacturing Technology*, **2015**, 84, 1067	3.2	2
63	An intelligent algorithm for determination and optimization of productivity factors in upstream oil projects. *Journal of Petroleum Science and Engineering*, **2018**, 167, 375-395	4.4	2
62	Feasibility study of improving fuzzy control charts for statistical process control in radiotherapy. *International Journal of Productivity and Quality Management*, **2016**, 17, 289	0.3	2
61	A greedy randomised adaptive search procedure - genetic algorithm for electricity consumption estimation and optimisation in agriculture sector with random variation. *International Journal of Industrial and Systems Engineering*, **2014**, 17, 285	0.4	2
60	Forecasting and optimization of service level in vague and complex SCM by a flexible neural network–fuzzy mathematical programming approach. *International Journal of Advanced Manufacturing Technology*, **2013**, 68, 1453-1470	3.2	2
59	A flexible intelligent algorithm for identification of optimum mix of demographic variables for integrated HSEE-ISO systems: The case of a gas transmission refinery. *Journal of Loss Prevention in the Process Industries*, **2013**, 26, 1159-1182	3.5	2
58	Estimating household electricity consumption by environmental consciousness. *International Journal of Productivity and Quality Management*, **2015**, 15, 1	0.3	2
57	A unique neuro-fuzzy approach for improved prediction of tire reliability analysis with noisy life data **2015**, 38, 503-516		2
56	Optimisation of multi-stage supply chain systems by integrated simulation-variable neighbourhood search algorithm. *International Journal of Services and Operations Management*, **2015**, 21, 1	0.4	2
55	Fuzzy and stochastic mathematical programming for optimisation of cell formation problems in random and uncertain states. *International Journal of Operational Research*, **2015**, 22, 129	0.9	2
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51	A benchmarking approach for forecasting gas consumption considering subsidy removal. *International Journal of Process Management and Benchmarking*, **2013**, 3, 401	0.3	2
50	An integrated simulated-based fuzzy regression algorithm and time series for energy consumption estimation with non-stationary data and case studies **2009**,		2
49	A Genetic Algorithm Approach for Optimum Operator Assignment in CMS **2009**,		2
48	A unique fuzzy simulation approach for concurrent improvement of customer satisfaction in integrated information and production processes with ambiguity. *Concurrent Engineering Research and Applications*, **2012**, 20, 287-299	1.7	2

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47	One day-ahead price forecasting for electricity market of Iran using combined time series and neural network model **2009**,		2
46	An integrated algorithm for efficiency assessment of wireless communication sectors. *International Journal of Productivity and Quality Management*, **2009**, 4, 437	0.3	2
45	Location Optimization of Solar Plants by an Integrated Multivariable DEA-PCA Method **2006**,		2
44	The Impacts of Total System Design Factors on Human Performance in Power Plants. *American Journal of Applied Sciences*, **2005**, 2, 1301-1304	0.8	2
43	An artificial intelligent approach for evaluation of teamwork versus health, safety, environment and ergonomics (HSEE). *Advances in Human Factors and Ergonomics Series*, **2010**, 1222-1231		2
42	Optimization of a Heavy Continuous Rolling Mill System Via Simulation. *Journal of Applied Sciences*, **2006**, 6, 611-615	0.3	2
41	Customer-Relationship Management: Performance Assessment and Improvement by an Intelligent Algorithm. *Performance Improvement Quarterly*, **2020**, 33, 119-152	0.8	2
40	Optimum alternatives of tandem G/G/K queues with disaster customers and retrial phenomenon: interactive voice response systems. *Telecommunication Systems*, **2018**, 68, 535-562	2.3	2
39	An adaptive algorithm for performance assessment of construction project management with respect to resilience engineering and job security. *Journal of Project Management*, **2018**, 23-38	0.9	2
38	A unique optimization model for deterministic bundle pricing of two products with limited stock. *International Journal of Systems Assurance Engineering and Management*, **2017**, 8, 1154-1160	1.3	1
37	Performance assessment and optimisation of a large information system by combined customer relationship management and resilience engineering: a mathematical programming approach. *Enterprise Information Systems*, **2016**, 1-15	3.5	1
36	A resilience-based model for performance evaluation of information systems: the case of a gas company. *Enterprise Information Systems*, **2016**, 1-15	3.5	1
35	A unique mathematical model for maintenance strategies to improve energy flows of the electrical power sector. *Energy Exploration and Exploitation*, **2016**, 34, 19-41	2.1	1
34	Trust-based performance measurement using fuzzy operators **2014**,		1
33	An integrated fuzzy mathematical model and principal component analysis algorithm for forecasting uncertain trends of electricity consumption. *Quality and Quantity*, **2013**, 47, 2163-2176	2.4	1
32	An Integrated Fuzzy Trust Prediction Approach in Product Design and Engineering. *International Journal of Fuzzy Systems*, **2017**, 19, 1190-1199	3.6	1
31	Performance optimization of gas refineries by ANN and DEA based on financial and operational factors. *World Journal of Engineering*, **2015**, 12, 109-134	1.8	1
30	Deterministic bundle pricing of two products with limited stock **2014**,		1

29	An efficient computer simulation–Based approach for optimization of complex polling systems with general arrival distributions. *Simulation*, **2014**, 90, 1346-1359	1.2	1
28	A knowledge management system based on artificial intelligence (AI) methods: A flexible fuzzy regression-analysis of variance algorithm for natural gas consumption estimation **2012**,		1
27	Integration of expert system and integer programming for optimisation of strategic planning. *International Journal of Industrial and Systems Engineering*, **2011**, 7, 110	0.4	1
26	A comparative assessment of fuzzy regression models: the case of oil consumption estimation. *International Journal of Industrial and Systems Engineering*, **2011**, 7, 195	0.4	1
25	Improving accuracy of artificial neural networks for credit scoring models using voting algorithm **2010**,		1
24	An Adaptive Network Based Fuzzy Inference System algorithm for assessment and improvement of job security among operators with respect to HSE-Ergonomics program **2010**,		1
23	Performance assessment and optimization of decision making units with an integrated artificial neural network algorithm **2011**,		1
22	A comparative study for optimum short-term forecasting of electricity price with uncertainty. *International Journal of Industrial and Systems Engineering*, **2012**, 12, 394	0.4	1
21	A Decision Making Methodology for Vendor Selection Problem Based on DEA, FDEA and CCDEA Models **2009**,		1
20	Improving reliability design of multi-state k-out-of-n systems by fuzzy programming **2009**,		1
19	The reengineering of a purchasing system by simulation and principal component analysis. *International Journal of Procurement Management*, **2009**, 2, 211	0.6	1
18	A flexible and dynamic algorithm for assessment and optimization of utility sectors. *Advanced Engineering Informatics*, **2010**, 24, 498-509	7.4	1
17	Developing expert system on decision making unit efficiency **2008**,		1
16	Variable sequential sampling plan with finite batch size in European auto emission quality standards. *International Journal of Applied Decision Sciences*, **2008**, 1, 179	0.8	1
15	A Management based DEA model for Evaluation of Wireless Communication Sectors **2006**,		1
14	A resource allocation model to choose the best portfolio of economic resilience plans: a possibilistic stochastic programming model. *European Journal of Industrial Engineering*, **2020**, 14, 301	1.1	1
13	A novel performance measurement approach based on trust context using fuzzy T-norm and S-norm operators: The case study of energy consumption. *Energy Exploration and Exploitation*, **2016**, 34, 561-585	2.1	1
12	Integrated health, safety, environment and ergonomic management systems for industry. *Journal of Research in Health Sciences*, **2007**, 7, 32-42	1.2	1

List of Publications

11	A New Stochastic Model for Bus Rapid Transit Scheduling with Uncertainty. *Future Transportation*, **2022**, 2, 165-184		0
10	A Bayesian Network for Improving Organizational Regulations Effectiveness: Concurrent Modeling of Organizational Resilience Engineering and Macro-Ergonomics Indicators. *Lecture Notes on Data Engineering and Communications Technologies*, **2018**, 285-295	0.4	0
9	A unique intelligent algorithm for optimization of human reliability and decision styles: a large petrochemical plant. *International Journal of Systems Assurance Engineering and Management*, **2017**, 8, 1161-1176	1.3	
8	Improvement of action selection in robots based on learning fuzzy cognitive map and analysis of variance: the case of soccer server simulation environment. *International Journal of Industrial and Systems Engineering*, **2014**, 16, 184	0.4	
7	Integration of Monte Carlo simulation and chi-square automatic interaction detector algorithm for modelling and estimation of conventional power plant construction volumes. *International Journal of Services and Operations Management*, **2014**, 19, 83	0.4	
6	Open shop scheduling with stochastic release dates and processing times. *International Journal of Logistics Systems and Management*, **2014**, 18, 159	0.7	
5	Modelling JIT supply chains by simulation and hybrid genetic variable neighbourhood search algorithm. *International Journal of Logistics Systems and Management*, **2015**, 22, 296	0.7	
4	An economically-oriented neural network approach for optimum estimation of cellular phone subscriptions in noisy and nonlinear markets **2014**, 37, 529-539		
3	Design and implementation of an information system for performance assessment of management and organization in a gas refinary **2009**, 32, 727-740		
2	A hybrid event tree-genetic algorithm for improved safety and risk of independent protection layers of pressure vessels. *International Journal of Productivity and Quality Management*, **2010**, 6, 435	0.3	
1	Integrated Simulation Modeling of Business, Maintenance and Production Systems for Concurrent Improvement of Lead Time, Cost and Production Rate. *Industrial Engineering and Management Systems*, **2016**, 15, 403-431	2.5	