

Seyed Mohammad Asadzadeh

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,201
citations

430874

18
h-index

395702

33
g-index

56
all docs

56
docs citations

56
times ranked

1133
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring Traffic Safety Culture toward Achieving Road Safety Performance: A DEA Approach with Undesirable Inputs-Outputs. <i>Cybernetics and Systems</i> , 2021, 52, 601-624.	2.5	5
2	An integrated methodology for the prognosis of ballast degradation in railway turnouts. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2020, 234, 908-924.	2.0	4
3	The predictive power of track dynamic response for monitoring ballast degradation in turnouts. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2020, 234, 976-991.	2.0	4
4	A resilience engineering-based approach to improving service reliability in maintenance organizations. <i>International Journal of Systems Assurance Engineering and Management</i> , 2020, 11, 909-922.	2.4	5
5	Towards an Energy-based Indicator of Track Quality in Turnouts. <i>IFAC-PapersOnLine</i> , 2020, 53, 8482-8487.	0.9	0
6	Recognizing dissimilarities between resilience engineering and EFQM approaches to ensure safety in hospitals. <i>Human Factors and Ergonomics in Manufacturing</i> , 2019, 29, 233-252.	2.7	3
7	Integrated Fuzzy DEA-ANFIS to Measure the Success Effect of Human Resource Spirituality. <i>Cybernetics and Systems</i> , 2018, 49, 151-169.	2.5	9
8	A consensus-based AHP for improved assessment of resilience engineering in maintenance organizations. <i>Journal of Loss Prevention in the Process Industries</i> , 2017, 47, 151-160.	3.3	30
9	A multi-objective fuzzy queuing priority assignment model. <i>Applied Mathematical Modelling</i> , 2016, 40, 9500-9513.	4.2	5
10	A unique mathematical model for maintenance strategies to improve energy flows of the electrical power sector. <i>Energy Exploration and Exploitation</i> , 2016, 34, 19-41.	2.3	6
11	A flexible ANN-GA-multivariate algorithm for assessment and optimization of machinery productivity in complex production units. <i>Journal of Manufacturing Systems</i> , 2015, 35, 46-75.	13.9	19
12	Condition-based maintenance effectiveness for series “parallel power generation system” A combined Markovian simulation model. <i>Reliability Engineering and System Safety</i> , 2015, 142, 357-368.	8.9	57
13	An emotional learning-neuro-fuzzy inference approach for optimum training and forecasting of gas consumption estimation models with cognitive data. <i>Technological Forecasting and Social Change</i> , 2015, 91, 47-63.	11.6	23
14	Optimization of operator allocation in a large multi product assembly shop through unique integration of simulation and genetic algorithm. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 76, 471-486.	3.0	6
15	A novel algorithm for layout optimization of injection process with random demands and sequence dependent setup times. <i>Journal of Manufacturing Systems</i> , 2014, 33, 287-302.	13.9	16
16	An integrated systemic model for optimization of condition-based maintenance with human error. <i>Reliability Engineering and System Safety</i> , 2014, 124, 117-131.	8.9	60
17	Artificial immune simulation for improved forecasting of electricity consumption with random variations. <i>International Journal of Electrical Power and Energy Systems</i> , 2014, 55, 205-224.	5.5	21
18	An integrated simulation-analysis of variance methodology for effective analysis of CBM alternatives. <i>International Journal of Computer Integrated Manufacturing</i> , 2014, 27, 624-637.	4.6	14

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19	Integration of genetic algorithm, analytic hierarchy process and computer simulation for optimisation of operator allocation in manufacturing systems with weighted variables. International Journal of Logistics Systems and Management, 2014, 17, 318.	0.2	9
20	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.	0.2	5
21	Forecasting and optimization of service level in vague and complex SCM by a flexible neural networkâ€fuzzy mathematical programming approach. International Journal of Advanced Manufacturing Technology, 2013, 68, 1453-1470.	3.0	2
22	A neural network meta-model for identification of optimal combination of priority dispatching rules and makespan in a deterministic job shop scheduling problem. International Journal of Advanced Manufacturing Technology, 2013, 67, 1549-1561.	3.0	12
23	Optimum estimation and forecasting of renewable energy consumption by artificial neural networks. Renewable and Sustainable Energy Reviews, 2013, 27, 605-612.	16.4	93
24	Incorporating the effects of hike in energy prices into energy consumption forecasting: a fuzzy expert system. Neural Computing and Applications, 2013, 23, 153-169.	5.6	5
25	A new adaptive fuzzy inference system for electricity consumption forecasting with hike in prices. Neural Computing and Applications, 2013, 23, 2405-2416.	5.6	4
26	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.	3.3	16
27	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.	3.3	33
28	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.	5.5	26
29	A mathematical modeling for incorporating energy price hikes into total natural gas consumption forecasting. Applied Mathematical Modelling, 2013, 37, 5664-5679.	4.2	32
30	An Adaptive-Network-Based Fuzzy Inference System-Data Envelopment Analysis Algorithm for Optimization of Long-Term Electricity Consumption, Forecasting and Policy Analysis: The Case of Seven Industrialized Countries. Energy Sources, Part B: Economics, Planning and Policy, 2013, 8, 56-66.	3.4	6
31	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.	3.0	17
32	Optimum estimation of missing values in randomized complete block design by genetic algorithm. Knowledge-Based Systems, 2013, 37, 37-47.	7.1	24
33	An intelligent algorithm for optimum forecasting of manufacturing lead times in fuzzy and crisp environments. International Journal of Logistics Systems and Management, 2013, 16, 186.	0.2	8
34	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.	0.2	4
35	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.	0.2	6
36	An integrated fuzzy regression-data envelopment analysis algorithm for optimum oil consumption estimation with ambiguous data. Applied Soft Computing Journal, 2012, 12, 2614-2630.	7.2	18

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37	Implementation of data envelopment analysis genetic algorithm for improved performance assessment of transmission units in power industry. International Journal of Industrial and Systems Engineering, 2011, 8, 83.	0.2	7
38	An integrated artificial neural network-computer simulation for optimization of complex tandem queue systems. Mathematics and Computers in Simulation, 2011, 82, 666-678.	4.4	18
39	A hybrid fuzzy mathematical programming-design of experiment framework for improvement of energy consumption estimation with small data sets and uncertainty: The cases of USA, Canada, Singapore, Pakistan and Iran. Energy, 2011, 36, 6981-6992.	8.8	8
40	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.	3.0	17
41	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.	5.7	49
42	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.	10.1	70
43	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.	4.2	22
44	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.	8.9	49
45	A Neuro-Fuzzy-Regression Algorithm for Improved Prediction of Manufacturing Lead Time with Machine Breakdowns. Concurrent Engineering Research and Applications, 2011, 19, 269-281.	3.2	20
46	Optimal allocation of operators in a cellular manufacturing system by an integrated computer simulation genetic algorithm approach. International Journal of Operational Research, 2011, 10, 333.	0.2	13
47	A preemptive discrete-time priority buffer system with partial buffer sharing. Applied Mathematical Modelling, 2010, 34, 2148-2165.	4.2	6
48	An adaptive network-based fuzzy inference system for short-term natural gas demand estimation: Uncertain and complex environments. Energy Policy, 2010, 38, 1529-1536.	8.8	109
49	Optimal allocation of operators in a cellular manufacturing system by an integrated computer simulation-genetic algorithm approach. , 2010, , .		0
50	An adaptive network based fuzzy inference system-fuzzy data envelopment analysis for gas consumption forecasting and analysis: The case of South America. , 2010, , .		13
51	Modeling and Optimization of a Supply Chain Loop's Performance by an Integrated Neural Network-Fuzzy Regression-Ridge Regression Approach. , 2010, , .		0
52	Performance estimation of an email contact center by a finite source discrete time Geo/Geo/1 queue with disasters. Computers and Industrial Engineering, 2008, 55, 543-556.	6.3	28
53	Energy efficiency modelling and estimation in petroleum refining industry- A comparison using physical data. Renewable Energy and Power Quality Journal, 2008, 1, 123-128.	0.2	6
54	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.	8.8	152

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55	Evaluating of an AGV System in a CIM Unit: A Simulation Approach. Information Technology Journal, 2007, 6, 304-309.	0.3	5