

Abdollah Hadi-Vencheh

List of Publications by Year in descending order

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84
papers

1,941
citations

257101

24
h-index

301761

39
g-index

85
all docs

85
docs citations

85
times ranked

1368
citing authors

#	ARTICLE	IF	CITATIONS
1	An improvement to multiple criteria ABC inventory classification. <i>European Journal of Operational Research</i> , 2010, 201, 962-965.	3.5	145
2	Fuzzy inferior ratio method for multiple attribute decision making problems. <i>Information Sciences</i> , 2014, 277, 263-272.	4.0	126
3	A fuzzy AHP-DEA approach for multiple criteria ABC inventory classification. <i>Expert Systems With Applications</i> , 2011, 38, 3346-3352.	4.4	111
4	A DEA model for resource allocation. <i>Economic Modelling</i> , 2008, 25, 983-993.	1.8	81
5	Modified migrating birds optimization algorithm for closed loop layout with exact distances in flexible manufacturing systems. <i>Expert Systems With Applications</i> , 2015, 42, 6586-6597.	4.4	65
6	Undesirable factors in efficiency measurement. <i>Applied Mathematics and Computation</i> , 2005, 163, 547-552.	1.4	64
7	An integrated AHP-NLP methodology for facility layout design. <i>Journal of Manufacturing Systems</i> , 2013, 32, 40-45.	7.6	59
8	A new fuzzy TOPSIS method based on left and right scores: An application for determining an industrial zone for dairy products factory. <i>Applied Soft Computing Journal</i> , 2012, 12, 2496-2505.	4.1	58
9	A generalized DEA model for inputs/outputs estimation. <i>Mathematical and Computer Modelling</i> , 2006, 43, 447-457.	2.0	57
10	An integrated group decision making model and its evaluation by DEA for automobile industry. <i>Expert Systems With Applications</i> , 2010, 37, 8543-8556.	4.4	55
11	Predicting performance in ASEAN banks: an integrated fuzzy MCDM-neural network approach. <i>Expert Systems</i> , 2016, 33, 213-229.	2.9	52
12	Inputs/outputs estimation in DEA when some factors are undesirable. <i>Applied Mathematics and Computation</i> , 2004, 156, 19-32.	1.4	46
13	An improved voting analytic hierarchy process-data envelopment analysis methodology for suppliers selection. <i>International Journal of Computer Integrated Manufacturing</i> , 2011, 24, 189-197.	2.9	43
14	An iterative method for solving dual fuzzy nonlinear equations. <i>Applied Mathematics and Computation</i> , 2005, 167, 316-323.	1.4	39
15	The Chebyshev wavelets operational matrix of integration and product operation matrix. <i>International Journal of Computer Mathematics</i> , 2009, 86, 1118-1125.	1.0	34
16	Bank efficiency estimation in China: DEA-RENNA approach. <i>Annals of Operations Research</i> , 2022, 315, 1373-1398.	2.6	33
17	A new hybrid fuzzy multi-criteria decision making model for solving the material handling equipment selection problem. <i>International Journal of Computer Integrated Manufacturing</i> , 2015, 28, 534-550.	2.9	32
18	Selecting Six Sigma projects: MCDM or DEA?. <i>Journal of Modelling in Management</i> , 2016, 11, 309-325.	1.1	32

#	ARTICLE	IF	CITATIONS
19	An unsupervised fuzzy clustering approach to the capacitated vehicle routing problem. <i>Neural Computing and Applications</i> , 2016, 27, 857-867.	3.2	30
20	A new fuzzy MCDM approach based on centroid of fuzzy numbers. <i>Expert Systems With Applications</i> , 2011, 38, 5226-5230.	4.4	27
21	Ranking the Alternatives With a Modified TOPSIS Method in Multiple Attribute Decision Making Problems. <i>IEEE Transactions on Engineering Management</i> , 2022, 69, 1800-1805.	2.4	27
22	The multiobjective stochastic CRITIC-TOPSIS approach for solving the shipboard crane selection problem. <i>International Journal of Intelligent Systems</i> , 2020, 35, 1570-1598.	3.3	27
23	A new approach for solving fuzzy critical path problem using analysis of events. <i>Expert Systems With Applications</i> , 2011, 38, 87-93.	4.4	26
24	A new super-efficiency model in the presence of negative data. <i>Journal of the Operational Research Society</i> , 2013, 64, 396-401.	2.1	26
25	Solving second kind integral equations with hybrid Fourier and block-pulse functions. <i>Applied Mathematics and Computation</i> , 2005, 160, 517-522.	1.4	25
26	Solving linear integro-differential equation with Legendre wavelets. <i>International Journal of Computer Mathematics</i> , 2004, 81, 719-726.	1.0	24
27	Undesirable factors in stochastic DEA cross-efficiency evaluation: An application to thermal power plant energy efficiency. <i>Economic Analysis and Policy</i> , 2021, 69, 613-628.	3.2	24
28	An integrated synthetic value of fuzzy judgments and nonlinear programming methodology for ranking the facility layout patterns. <i>Computers and Industrial Engineering</i> , 2012, 62, 342-348.	3.4	23
29	An inverse optimization model for imprecise data envelopment analysis. <i>Optimization</i> , 2015, 64, 2441-2454.	1.0	23
30	On the relation between a fuzzy number and its centroid. <i>Computers and Mathematics With Applications</i> , 2010, 59, 3578-3582.	1.4	21
31	Seclusion-Factor Method to Solve Fuzzy-Multiple Criteria Decision-Making Problems. <i>IEEE Transactions on Fuzzy Systems</i> , 2011, 19, 201-209.	6.5	21
32	Fuzzy inference systems and inventory allocation decisions: Exploring the impact of priority rules on total costs and service levels. <i>Expert Systems With Applications</i> , 2017, 85, 182-193.	4.4	21
33	An integrated group FWA-ELECTRE III approach based on interval type-2 fuzzy sets for solving the MCDM problems using limit distance mean. <i>Complex & Intelligent Systems</i> , 2020, 6, 355-389.	4.0	20
34	Business environment drivers and technical efficiency in the Chinese energy industry: A robust Bayesian stochastic frontier analysis. <i>Computers and Industrial Engineering</i> , 2020, 144, 106487.	3.4	20
35	A super-efficiency model for measuring aggregative efficiency of multi-period production systems. Measurement: <i>Journal of the International Measurement Confederation</i> , 2013, 46, 3988-3993.	2.5	19
36	An extension principle based solution approach for shortest path problem with fuzzy arc lengths. <i>Operational Research</i> , 2017, 17, 395-411.	1.3	19

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37	An Improvement to Determining Expert Weights in Group Multiple Attribute Decision Making Problem. Group Decision and Negotiation, 2018, 27, 215-221.	2.0	19
38	On FDH efficiency analysis with interval data. Applied Mathematics and Computation, 2004, 159, 47-55.	1.4	18
39	A new nonlinear model for multiple criteria supplier-selection problem. International Journal of Computer Integrated Manufacturing, 2011, 24, 32-39.	2.9	18
40	Solving second kind integral equations with Hybrid Chebyshev and Block-Pulse functions. Applied Mathematics and Computation, 2005, 163, 71-77.	1.4	17
41	Hybrid greedy algorithms for fuzzy tardiness/earliness minimisation in a special single machine scheduling problem: case study and generalisation. International Journal of Computer Integrated Manufacturing, 2016, 29, 870-888.	2.9	16
42	Fuzzy-based mapping algorithms to design networks-on-chip. Journal of Intelligent and Fuzzy Systems, 2016, 31, 27-43.	0.8	15
43	Selecting Six Sigma project: a comparative study of DEA and LDA techniques. International Journal of Lean Six Sigma, 2018, 9, 506-522.	2.4	15
44	Sustainability of Chinese airlines: A modified slack-based measure model for CO ₂ emissions. Expert Systems, 2020, 37, e12302.	2.9	15
45	Direct method for solving integro differential equations using hybrid Fourier and block-pulse functions. International Journal of Computer Mathematics, 2005, 82, 889-895.	1.0	14
46	The slack-based measure model based on supporting hyperplanes of production possibility set. Expert Systems With Applications, 2015, 42, 6522-6529.	4.4	14
47	Revisiting the approximated weight extraction methods in fuzzy analytic hierarchy process. International Journal of Intelligent Systems, 2021, 36, 1644-1667.	3.3	14
48	A fuzzy linear programming model for risk evaluation in failure mode and effects analysis. Neural Computing and Applications, 2013, 22, 1105-1113.	3.2	13
49	On return to scale of fully efficient DMUs in data envelopment analysis under interval data. Applied Mathematics and Computation, 2004, 154, 31-40.	1.4	12
50	A new method for complete ranking of DMUs. Optimization, 2015, 64, 1177-1193.	1.0	12
51	Optimization Approaches for Core Mapping on Networks on Chip. IETE Journal of Research, 2018, 64, 394-405.	1.8	12
52	Sustainable resource management in a supply chain: a methodological proposal combining zero-inflated fuzzy time series and clustering techniques. Journal of Enterprise Information Management, 2020, 33, 1059-1076.	4.4	12
53	OPAIC: An optimization technique to improve energy consumption and performance in application specific network on chips. Measurement: Journal of the International Measurement Confederation, 2015, 74, 208-220.	2.5	11
54	Determining the ordering policies of inventory items in class B using If-Then rules base. Expert Systems With Applications, 2011, 38, 3891-3901.	4.4	10

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55	A DDF based model for efficiency evaluation in two-stage DEA. <i>Optimization Letters</i> , 2018, 12, 1029-1044.	0.9	10
56	A New Index for TOPSIS based on Relative Distance to Best and Worst Points. <i>International Journal of Information Technology and Decision Making</i> , 2020, 19, 695-719.	2.3	10
57	An application of IDEA to wheat farming efficiency. <i>Agricultural Economics (United Kingdom)</i> , 2011, 42, 487-493.	2.0	9
58	An Improved Fuzzy TOPSIS Method with a New Ranking Index. <i>International Journal of Information Technology and Decision Making</i> , 2022, 21, 615-641.	2.3	9
59	Combination of non-classical pseudospectral and direct methods for the solution of brachistochrone problem. <i>International Journal of Computer Mathematics</i> , 2010, 87, 1847-1856.	1.0	8
60	The allocation of sub-decision making units to parallel fuzzy network systems. <i>Kybernetes</i> , 2014, 43, 1079-1097.	1.2	7
61	On the input/output reduction in efficiency measurement. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014, 50, 244-249.	2.5	7
62	Two effective total ranking models for preference voting and aggregation. <i>Mathematical Sciences</i> , 2014, 8, 1.	1.0	7
63	A simple mathematical programming model for countries' credit ranking problem. <i>International Journal of Finance and Economics</i> , 2019, 24, 449-460.	1.9	6
64	Eco-innovation analysis: A data envelopment analysis methodology. <i>Environmental Technology and Innovation</i> , 2021, 23, 101770.	3.0	6
65	INEFFICIENCY EVALUATION WITH AN ADDITIVE DEA MODEL UNDER IMPRECISE DATA, AN APPLICATION ON IAIK DEPARTMENTS. <i>Journal of the Operations Research Society of Japan</i> , 2007, 50, 163-177.	0.3	5
66	An Interval Based Score Method for Multiple Criteria Decision Making Problems. <i>International Journal of Information Technology and Decision Making</i> , 2019, 18, 1667-1687.	2.3	5
67	A linear programming technique to solve fuzzy multiple criteria decision making problems with an application. <i>RAIRO - Operations Research</i> , 2021, 55, 83-97.	1.0	5
68	Air Pollution Assessment in China: A Novel Group Multiple Criteria Decision Making Model under Uncertain Information. <i>Sustainability</i> , 2021, 13, 1686.	1.6	5
69	Hotel Performance in the UK: The Role of Information Entropy in a Novel Slack-Based Data Envelopment Analysis. <i>Entropy</i> , 2021, 23, 184.	1.1	5
70	What Does Cost Structure Have to Say about Thermal Plant Energy Efficiency? The Case from Angola. <i>Energies</i> , 2020, 13, 2404.	1.6	4
71	Group multiple criteria ABC inventory classification using TOPSIS approach extended by Gaussian interval type-2 fuzzy sets and optimization programs. <i>Scientia Iranica</i> , 2018, .	0.3	4
72	An effective hybrid goal programming approach for multi-objective straight assembly line balancing problem with stochastic parameters. <i>Operational Research</i> , 2020, 20, 1939-1976.	1.3	3

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73	Longitudinal bibliometric analysis applied to home care services. Computer Methods and Programs in Biomedicine, 2021, 205, 106108.	2.6	3
74	Three new models for preference voting and aggregation. Journal of the Operational Research Society, 2009, 60, 1036-1037.	2.1	2
75	Solving fully fuzzy multiple objective linear programming problems: A new perspective. Journal of Soft Computing and Applications, 0, 2014, 1-4.	0.0	2
76	Comment on "Inputs/outputs estimation in DEA when some factors are undesirable" [Applied Mathematics and Computation 156 (2004) 19-32]. Applied Mathematics and Computation, 2008, 202, 893-894.	1.4	1
77	Fair distribution of a common revenue. Journal of Statistics and Management Systems, 2008, 11, 447-456.	0.3	1
78	Erratum to "A hybrid MCDM model for strategic vendor selection" [Math. Comput. Modelling 44 (2006) 749-761]. Mathematical and Computer Modelling, 2009, 50, 1252.	2.0	1
79	Restricting the relative weights in data envelopment analysis. International Journal of Finance and Economics, 2021, 26, 4127-4136.	1.9	1
80	The revised extent analysis method. Concurrency Computation Practice and Experience, 2021, 33, e6319.	1.4	1
81	Fair distribution of a common revenue. Journal of Interdisciplinary Mathematics, 2008, 11, 671-680.	0.4	0
82	A non-radial model for evaluating multiperiod aggregative efficiency. , 2014, , .		0
83	Efficiency evaluation with cross-efficiency in the presence of undesirable outputs in stochastic environment. Communications in Statistics - Theory and Methods, 0, , 1-25.	0.6	0
84	Designing Statistical Test for Mean of Random Profiles. Industrial Engineering and Management Systems, 2016, 15, 432-445.	0.3	0