# Abdollah Hadi-Vencheh

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 84 papers | 1,941 citations | 257450 24 h-index | 302126 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. European Journal of Operational Research, 2010, 201, 962-965. | 5.7 | 145 |
| 2 | Fuzzy inferior ratio method for multiple attribute decision making problems. Information Sciences, 2014, 277, 263-272. | 6.9 | 126 |
| 3 | A fuzzy AHP-DEA approach for multiple criteria ABC inventory classification. Expert Systems With Applications, 2011, 38, 3346-3352. | 7.6 | 111 |
| 4 | A DEA model for resource allocation. Economic Modelling, 2008, 25, 983-993. | 3.8 | 81 |
| 5 | Modified migrating birds optimization algorithm for closed loop layout with exact distances in flexible manufacturing systems. Expert Systems With Applications, 2015, 42, 6586-6597. | 7.6 | 65 |
| 6 | Undesirable factors in efficiency measurement. Applied Mathematics and Computation, 2005, 163, 547-552. | 2.2 | 64 |
| 7 | An integrated AHPâ€“NLP methodology for facility layout design. Journal of Manufacturing Systems, 2013, 32, 40-45. | 13.9 | 59 |
| 8 | A new fuzzy TOPSIS method based on left and right scores: An application for determining an industrial zone for dairy products factory. Applied Soft Computing Journal, 2012, 12, 2496-2505. | 7.2 | 58 |
| 9 | A generalized DEA model for inputs/outputs estimation. Mathematical and Computer Modelling, 2006, 43, 447-457. | 2.0 | 57 |
| 10 | An integrated group decision making model and its evaluation by DEA for automobile industry. Expert Systems With Applications, 2010, 37, 8543-8556. | 7.6 | 55 |
| 11 | Predicting performance in ASEAN banks: an integrated fuzzy MCDMâ€“neural network approach. Expert Systems, 2016, 33, 213-229. | 4.5 | 52 |
| 12 | Inputs/outputs estimation in DEA when some factors are undesirable. Applied Mathematics and Computation, 2004, 156, 19-32. | 2.2 | 46 |
| 13 | An improved voting analytic hierarchy processâ€“data envelopment analysis methodology for suppliers selection. International Journal of Computer Integrated Manufacturing, 2011, 24, 189-197. | 4.6 | 43 |
| 14 | An iterative method for solving dual fuzzy nonlinear equations. Applied Mathematics and Computation, 2005, 167, 316-323. | 2.2 | 39 |
| 15 | The Chebyshev wavelets operational matrix of integration and product operation matrix. International Journal of Computer Mathematics, 2009, 86, 1118-1125. | 1.8 | 34 |
| 16 | Bank efficiency estimation in China: DEA-RENNA approach. Annals of Operations Research, 2022, 315, 1373-1398. | 4.1 | 33 |
| 17 | A new hybrid fuzzy multi-criteria decision making model for solving the material handling equipment selection problem. International Journal of Computer Integrated Manufacturing, 2015, 28, 534-550. | 4.6 | 32 |
| 18 | Selecting Six Sigma projects: MCDM or DEA?. Journal of Modelling in Management, 2016, 11, 309-325. | 1.9 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | An unsupervised fuzzy clustering approach to the capacitated vehicle routing problem. Neural Computing and Applications, 2016, 27, 857-867. | 5.6 | 30 |
| 20 | A new fuzzy MCDM approach based on centroid of fuzzy numbers. Expert Systems With Applications, 2011, 38, 5226-5230. | 7.6 | 27 |
| 21 | Ranking the Alternatives With a Modified TOPSIS Method in Multiple Attribute Decision Making Problems. IEEE Transactions on Engineering Management, 2022, 69, 1800-1805. | 3.5 | 27 |
| 22 | The multiobjective stochastic CRITICâ€“TOPSIS approach for solving the shipboard crane selection problem. International Journal of Intelligent Systems, 2020, 35, 1570-1598. | 5.7 | 27 |
| 23 | A new approach for solving fuzzy critical path problem using analysis of events. Expert Systems With Applications, 2011, 38, 87-93. | 7.6 | 26 |
| 24 | A new super-efficiency model in the presence of negative data. Journal of the Operational Research Society, 2013, 64, 396-401. | 3.4 | 26 |
| 25 | Solving second kind integral equations with hybrid Fourier and blockâ€“pulse functions. Applied Mathematics and Computation, 2005, 160, 517-522. | 2.2 | 25 |
| 26 | Solving linear integro-differential equation with Legendre wavelets. International Journal of Computer Mathematics, 2004, 81, 719-726. | 1.8 | 24 |
| 27 | Undesirable factors in stochastic DEA cross-efficiency evaluation: An application to thermal power plant energy efficiency. Economic Analysis and Policy, 2021, 69, 613-628. | 6.6 | 24 |
| 28 | An integrated synthetic value of fuzzy judgments and nonlinear programming methodology for ranking the facility layout patterns. Computers and Industrial Engineering, 2012, 62, 342-348. | 6.3 | 23 |
| 29 | An inverse optimization model for imprecise data envelopment analysis. Optimization, 2015, 64, 2441-2454. | 1.7 | 23 |
| 30 | On the relation between a fuzzy number and its centroid. Computers and Mathematics With Applications, 2010, 59, 3578-3582. | 2.7 | 21 |
| 31 | Seclusion-Factor Method to Solve Fuzzy-Multiple Criteria Decision-Making Problems. IEEE Transactions on Fuzzy Systems, 2011, 19, 201-209. | 9.8 | 21 |
| 32 | Fuzzy inference systems and inventory allocation decisions: Exploring the impact of priority rules on total costs and service levels. Expert Systems With Applications, 2017, 85, 182-193. | 7.6 | 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. Complex & Intelligent Systems, 2020, 6, 355-389. | 6.5 | 20 |
| 34 | Business environment drivers and technical efficiency in the Chinese energy industry: A robust Bayesian stochastic frontier analysis. Computers and Industrial Engineering, 2020, 144, 106487. | 6.3 | 20 |
| 35 | A super-efficiency model for measuring aggregative efficiency of multi-period production systems. Measurement: Journal of the International Measurement Confederation, 2013, 46, 3988-3993. | 5.0 | 19 |
| 36 | An extension principle based solution approach for shortest path problem with fuzzy arc lengths. Operational Research, 2017, 17, 395-411. | 2.0 | 19 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | An Improvement to Determining Expert Weights in Group Multiple Attribute Decision Making Problem. Group Decision and Negotiation, 2018, 27, 215-221. | 3.3 | 19 |
| 38 | On FDH efficiency analysis with interval data. Applied Mathematics and Computation, 2004, 159, 47-55. | 2.2 | 18 |
| 39 | A new nonlinear model for multiple criteria supplier-selection problem. International Journal of Computer Integrated Manufacturing, 2011, 24, 32-39. | 4.6 | 18 |
| 40 | Solving second kind integral equations with Hybrid Chebyshev and Block-Pulse functions. Applied Mathematics and Computation, 2005, 163, 71-77. | 2.2 | 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. | 4.6 | 16 |
| 42 | Fuzzy-based mapping algorithms to design networks-on-chip. Journal of Intelligent and Fuzzy Systems, 2016, 31, 27-43. | 1.4 | 15 |
| 43 | Selecting Six Sigma project: a comparative study of DEA and LDA techniques. International Journal of Lean Six Sigma, 2018, 9, 506-522. | 3.3 | 15 |
| 44 | Sustainability of Chinese airlines: A modified slackâ€based measure model for CO 2 emissions. Expert Systems, 2020, 37, e12302. | 4.5 | 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. | 1.8 | 14 |
| 46 | The slack-based measure model based on supporting hyperplanes of production possibility set. Expert Systems With Applications, 2015, 42, 6522-6529. | 7.6 | 14 |
| 47 | Revisiting the approximated weight extraction methods in fuzzy analyticÂhierarchy process. International Journal of Intelligent Systems, 2021, 36, 1644-1667. | 5.7 | 14 |
| 48 | A fuzzy linear programming model for risk evaluation in failure mode and effects analysis. Neural Computing and Applications, 2013, 22, 1105-1113. | 5.6 | 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. | 2.2 | 12 |
| 50 | A new method for complete ranking of DMUs. Optimization, 2015, 64, 1177-1193. | 1.7 | 12 |
| 51 | Optimization Approaches for Core Mapping on Networks on Chip. IETE Journal of Research, 2018, 64, 394-405. | 2.6 | 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. | 7.5 | 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. | 5.0 | 11 |
| 54 | Determining the ordering policies of inventory items in class B using Ifâ€“Then rules base. Expert Systems With Applications, 2011, 38, 3891-3901. | 7.6 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | A DDF based model for efficiency evaluation in two-stage DEA. Optimization Letters, 2018, 12, 1029-1044. | 1.6 | 10 |
| 56 | A New Index for TOPSIS based on Relative Distance to Best and Worst Points. International Journal of Information Technology and Decision Making, 2020, 19, 695-719. | 3.9 | 10 |
| 57 | An application of IDEA to wheat farming efficiency. Agricultural Economics (United Kingdom), 2011, 42, 487-493. | 3.9 | 9 |
| 58 | An Improved Fuzzy TOPSIS Method with a New Ranking Index. International Journal of Information Technology and Decision Making, 2022, 21, 615-641. | 3.9 | 9 |
| 59 | Combination of non-classical pseudospectral and direct methods for the solution of brachistochrone problem. International Journal of Computer Mathematics, 2010, 87, 1847-1856. | 1.8 | 8 |
| 60 | The allocation of sub-decision making units to parallel fuzzy network systems. Kybernetes, 2014, 43, 1079-1097. | 2.2 | 7 |
| 61 | On the input/output reduction in efficiency measurement. Measurement: Journal of the International Measurement Confederation, 2014, 50, 244-249. | 5.0 | 7 |
| 62 | Two effective total ranking models for preference voting and aggregation. Mathematical Sciences, 2014, 8, 1. | 1.7 | 7 |
| 63 | A simple mathematical programming model for countries' credit ranking problem. International Journal of Finance and Economics, 2019, 24, 449-460. | 3.5 | 6 |
| 64 | Eco-innovation analysis: A data envelopment analysis methodology. Environmental Technology and Innovation, 2021, 23, 101770. | 6.1 | 6 |
| 65 | INEFFICIENCY EVALUATION WITH AN ADDITIVE DEA MODEL UNDER IMPRECISE DATA, AN APPLICATION ON IAUK DEPARTMENTS. Journal of the Operations Research Society of Japan, 2007, 50, 163-177. | 0.2 | 5 |
| 66 | An Interval Based Score Method for Multiple Criteria Decision Making Problems. International Journal of Information Technology and Decision Making, 2019, 18, 1667-1687. | 3.9 | 5 |
| 67 | A linear programming technique to solve fuzzy multiple criteria decision making problems with an application. RAIRO - Operations Research, 2021, 55, 83-97. | 1.8 | 5 |
| 68 | Air Pollution Assessment in China: A Novel Group Multiple Criteria Decision Making Model under Uncertain Information. Sustainability, 2021, 13, 1686. | 3.2 | 5 |
| 69 | Hotel Performance in the UK: The Role of Information Entropy in a Novel Slack-Based Data Envelopment Analysis. Entropy, 2021, 23, 184. | 2.2 | 5 |
| 70 | What Does Cost Structure Have to Say about Thermal Plant Energy Efficiency? The Case from Angola. Energies, 2020, 13, 2404. | 3.1 | 4 |
| 71 | Group multiple criteria ABC inventory classification using TOPSIS approach extended by Gaussian interval type-2 fuzzy sets and optimization programs. Scientia Iranica, 2018, . | 0.4 | 4 |
| 72 | An effective hybrid goal programming approach for multi-objective straight assembly line balancing problem with stochastic parameters. Operational Research, 2020, 20, 1939-1976. | 2.0 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Longitudinal bibliometric analysis applied to home care services. Computer Methods and Programs in Biomedicine, 2021, 205, 106108. | 4.7 | 3 |
| 74 | Three new models for preference voting and aggregation. Journal of the Operational Research Society, 2009, 60, 1036-1037. | 3.4 | 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 â€œInputs/outputs estimation in DEA when some factors are undesirableâ€•[Applied Mathematics and Computation 156 (2004) 19â€“32]. Applied Mathematics and Computation, 2008, 202, 893-894. | 2.2 | 1 |
| 77 | Fair distribution of a common revenue. Journal of Statistics and Management Systems, 2008, 11, 447-456. | 0.6 | 1 |
| 78 | Erratum to â€œA hybrid MCDM model for strategic vendor selectionâ€•[Math. Comput. Modelling 44 (2006) 749â€“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. | 3.5 | 1 |
| 80 | The revised extent analysis method. Concurrency Computation Practice and Experience, 2021, 33, e6319. | 2.2 | 1 |
| 81 | Fair distribution of a common revenue. Journal of Interdisciplinary Mathematics, 2008, 11, 671-680. | 0.7 | 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. | 1.0 | 0 |
| 84 | Designing Statistical Test for Mean of Random Profiles. Industrial Engineering and Management Systems, 2016, 15, 432-445. | 0.4 | 0 |