Farhad Hosseinzadeh Lotfi

List of Publications by Year
in descending order

232 papers	5,372 citations	117453 34 h-index	106150 65 g-index
238 all docs	238 docs citations	238 times ranked	2882 citing authors

#	Article	IF	Citations
1	Portfolio optimization with asset preselection using data envelopment analysis. Central European Journal of Operations Research, 2023, 31, 287-310.	1.1	5
2	Optimal scale sizes in input–output allocative data envelopment analysis models. Annals of Operations Research, 2022, 315, 1455-1476.	2.6	4
3	Fuzzy arithmetic DEA approach for fuzzy multi-objective transportation problem. Operational Research, 2022, 22, 1479-1509.	1.3	33
4	Investigating the ratio of risk-to-return changes in efficient portfolio to achieve a new efficient portfolio. International Journal of Systems Science: Operations and Logistics, 2022, 9, 87-95.	2.0	0
5	Fuzzy chance-constrained data envelopment analysis: a structured literature review, current trends, and future directions. Fuzzy Optimization and Decision Making, 2022, 21, 197-261.	3.4	25
6	Cross Malmquist Productivity Index in Data Envelopment Analysis. 4or, 2022, 20, 567-602.	1.0	4
7	Using DEA Models for Ranking Compounds as Acetylcholinesterase Inhibitors in the Management of Alzheimer's. Iranian Journal of Science and Technology, Transaction A: Science, 2022, 46, 189-202.	0.7	2
8	Selecting a green supplier utilizing the new fuzzy voting model and the fuzzy combinative distance-based assessment method. EURO Journal on Decision Processes, 2022, 10, 100010.	1.8	21
9	New Approach in Fixed Resource Allocation and Target Setting Using Data Envelopment Analysis with Common Set of Weights. Complexity, 2022, 2022, 1-11.	0.9	2
10	A new method of determining decision-making unit congestion under inter-temporal dependence. Soft Computing, 2022, 26, 2063-2073.	2.1	3
11	A survey on links between multiple objective decision making and data envelopment analysis. , 2022, , 29-70.		0
12	Centralized resource allocation based on energy saving and environmental pollution reduction using data envelopment analysis models. Business Informatics, 2022, 16, 83-100.	0.5	1
13	Resource allocation and target setting: a CSW–DEA based approach. Annals of Operations Research, 2022, 318, 557-589.	2.6	11
14	Inverse DEA in two-stage systems based on allocative efficiency. Journal of Intelligent and Fuzzy Systems, 2021, 40, 591-603.	0.8	7
15	Uncertain SBM data envelopment analysis model: A case study in Iranian banks. International Journal of Finance and Economics, 2021, 26, 2674-2689.	1.9	9
16	Fixed point theorems of contraction mappings in complete b-metric space of zero at infinity varieties. Afrika Matematika, 2021, 32, 229-239.	0.4	0
17	Performance and competition analysis with fixed-sum measures : A case on OPEC members. Journal of Information and Optimization Sciences, 2021, 42, 669-687.	0.2	2
18	Vulnerability Assessment and Modelling of Urban Growth Using Data Envelopment Analysis. Journal of the Indian Society of Remote Sensing, 2021, 49, 259-273.	1.2	4

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19	Estimation of Returns to Scale of Units Under Evaluation with Integer Data Using Non-radial Models in Data Envelopment Analysis. Advances in Intelligent Systems and Computing, 2021, , 572-580.	0.5	0
20	Solving fuzzy multi-objective shortest path problem based on data envelopment analysis approach. Complex & Intelligent Systems, 2021, 7, 725-740.	4.0	19
21	A full investigation of the directional congestion in data envelopment analysis. RAIRO - Operations Research, 2021, 55, S571-S591.	1.0	3
22	Radial Models for Classifying Flexible Measures in Two-Stage Network DEA. Advances in Intelligent Systems and Computing, 2021, , 483-500.	0.5	1
23	A model to evaluate the effects of the returns to scale on the inverse data envelopment analysis. Mathematical Sciences, 2021, 15, 111-121.	1.0	1
24	A complete ranking of decision making units with interval data.. International Journal of Operational Research, 2021, 1, 1.	0.1	0
25	Fair Allocation of Fixed Costs in Data Envelopment Analysis. Advances in Intelligent Systems and Computing, 2021, , 399-405.	0.5	1
26	A hybrid approach using data envelopment analysis, interval programming and robust optimisation for performance assessment of hotels under uncertainty. International Journal of Management and Decision Making, 2021, 20, 308.	0.1	1
27	Benchmarking bank branches : A dynamic DEA approach. Journal of Information and Optimization Sciences, 2021, 42, 1203-1236.	0.2	7
28	Multi-objective Portfolio Selection Based on Skew-Normal Uncertainty Distribution and Asymmetric Entropy. International Journal of Fuzzy Logic and Intelligent Systems, 2021, 21, 38-48.	0.6	0
29	A Hybrid BSC-DEA Model with Indeterminate Information. Journal of Mathematics, 2021, 2021, 1-14.	0.5	6
30	Interval type-2 fuzzy least-squares estimation to formulate a regression model based on a new outlierÂdetection method using a new distance. Computational and Applied Mathematics, 2021, 40, 1.	1.0	1
31	Efficiency of Green Supply Chain in the presence of non-discretionary and undesirable factors, using Data Envelopment Analysis. Business Informatics, 2021, 15, 78-96.	0.5	2
32	A model to reduce the risk of project selection utilizing data envelopment analysis. Journal of Modelling in Management, 2021, ahead-of-print, .	1.1	0
33	Two-Step Estimation of the Impact of Contextual Variables on Technical Efficiency of Hospitals: The Case Study of Public Hospitals in Iran. Frontiers in Public Health, 2021, 9, 785489.	1.3	6
34	Ranking of decision making units using the imperialist competitive algorithm in DEA. Measurement and Control, 2021, 54, 1326-1335.	0.9	1
35	Hybrid efficiency measurement and target setting based on identifying defining hyperplanes of the PPS with negative data. Operational Research, 2020, 20, 1055-1092.	1.3	2
36	Sustainability assessment of Iranian petrochemical companies in stock exchange: A data envelopment analysisâ€based approach. Expert Systems, 2020, 37, e12359.	2.9	3

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37	Finding closest target for bank branches in the presence of weight restrictions using data envelopment analysis. Annals of Operations Research, 2020, 288, 755-787.	2.6	22
38	Efficiency changes index in the network data envelopment analysis with non-radial model. Asian-European Journal of Mathematics, 2020, 13, 2050031.	0.2	2
39	Fair Allocation Fixed Cost Using Cross-Efficiency Based on Pareto Concept. Asia-Pacific Journal of Operational Research, 2020, 37, 1950036.	0.9	6
40	Preserving cost and revenue efficiency through inverse data envelopment analysis models. Infor, 2020, 58, 561-578.	0.5	4
41	Data Envelopment Analysis with R. Studies in Fuzziness and Soft Computing, 2020, , .	0.6	9
42	Introduction to Data Envelopment Analysis and Fuzzy Sets. Studies in Fuzziness and Soft Computing, 2020, , 1-17.	0.6	4
43	A ranking system based on inverse data envelopment analysis. IMA Journal of Management Mathematics, 2020, 31, 367-385.	1.1	12
44	Assessing the efficiency of Iran health system in making progress towards universal health coverage: a comparative panel data analysis. Cost Effectiveness and Resource Allocation, 2020, 18, 20.	0.6	13
45	Technical efficiency in health production: A comparison between Iran and other upper middle-income countries. Health Policy and Technology, 2020, 9, 335-347.	1.3	9
46	The Efficiency of self-employed general practitioners and factors affecting it: a study in Iran. BMC Research Notes, 2020, 13, 266.	0.6	2
47	The multiobjective stochastic CRITIC–TOPSIS approach for solving the shipboard crane selection problem. International Journal of Intelligent Systems, 2020, 35, 1570-1598.	3.3	27
48	Solving the fully fuzzy multi-objective transportation problem based on the common set of weights in DEA. Journal of Intelligent and Fuzzy Systems, 2020, 39, 3099-3124.	0.8	22
49	Cost efficiency measurement with price uncertainty: a data envelopment analysis. Mathematical Sciences, 2020, 14, 387-396.	1.0	3
50	A Parametric Method for Ranking Intuitionistic Fuzzy Numbers and Its Application to Solve Intuitionistic Fuzzy Network Data Envelopment Analysis Models. Complexity, 2020, 2020, 1-25.	0.9	13
51	Efficiency measurement of the environmental systems: a two-stage structure considering undesirable outputs. Management of Environmental Quality, 2020, 32, 227-242.	2.2	6
52	Proposing a novel heuristic algorithm for university course timetabling problem with the quality of courses rendered approach; a case study. AEJ - Alexandria Engineering Journal, 2020, 59, 3355-3367.	3.4	8
53	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.	4.0	20
54	Assessing the performance of organizations with the hierarchical structure using data envelopment analysis: An efficiency analysis of Farhangian University. Measurement: Journal of the International Measurement Confederation, 2020, 156, 107609.	2.5	22

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55	Finding the strong efficient frontier and strong defining hyperplanes of production possibility set using multiple objective linear programming. Operational Research, 2020, , 1.	1.3	1
56	Fuzzy Data Envelopment Analysis Models with R Codes. Studies in Fuzziness and Soft Computing, 2020, , 163-236.	0.6	3
57	Modifying the convexity condition in Data Envelopment Analysis (DEA). Nexo, 2020, 33, 454-467.	0.1	1
58	Basic DEA Models with R Codes. Studies in Fuzziness and Soft Computing, 2020, , 53-98.	0.6	0
59	Advanced DEA Models with R Codes. Studies in Fuzziness and Soft Computing, 2020, , 99-162.	0.6	0
60	Introductions and Definitions of R. Studies in Fuzziness and Soft Computing, 2020, , 19-52.	0.6	0
61	Stepwise pricing in evaluating revenue efficiency in Data Envelopment Analysis: A case study in power plants. Scientia Iranica, 2020, .	0.3	0
62	An accurate analysis of the parameters affecting consumption and price fluctuations of Electricity in the Iranian market during Summer. Scientia Iranica, 2020, .	0.3	0
63	Hierarchical non-Archimedean DEA models: application on mobile money agents locations in the city of Harare. International Journal of Data Science, 2020, 5, 181.	0.1	2
64	A slacks-based measure approach for efficiency decomposition in multi-period two-stage systems. RAIRO - Operations Research, 2020, 54, 1657-1671.	1.0	2
65	Assessment and budget allocation of Iranian natural gas distribution company- A CSW DEA based model. Socio-Economic Planning Sciences, 2019, 66, 112-118.	2.5	16
66	Practical benchmarking in DEA using artificial DMUs. Journal of Industrial Engineering International, 2019, 15, 293-301.	1.8	4
67	Quantitative Analysis of Key Performance Indicators of Green Supply Chain in FMCG Industries Using Non-Linear Fuzzy Method. Mathematics, 2019, 7, 1020.	1.1	26
68	Ranking of petrochemical companies using preferential voting at unequal levels of voting power through data envelopment analysis. Mathematical Sciences, 2019, 13, 287-297.	1.0	9
69	Centralized DEA-based reallocation of emission permits under cap and trade regulation. Journal of Cleaner Production, 2019, 234, 306-314.	4.6	19
70	Using credibility theory to evaluate the fuzzy two-stage DEA: Sensitivity and stability analysis. Journal of Intelligent and Fuzzy Systems, 2019, 37, 5777-5796.	0.8	6
71	Environmental assessment and dealing with undesirable outputs: DEA-based approach. International Journal of Mathematical Modelling and Numerical Optimisation, 2019, 9, 178.	0.1	0
72	A new linear method to find the congestion hyperplane in DEA. Mathematical Sciences, 2019, 13, 43-52.	1.0	9

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73	Estimation of Overall Returns to Scale (RTS) of a Frontier Unit Using the Left and Right RTS. Computational Economics, 2019, 53, 633-655.	1.5	2
74	Efficiency Evaluation of a Three-Stage Leader-Follower Model by the Data Envelopment Analysis with Double-Frontier Viewpoint. Scientia Iranica, 2019, .	0.3	1
75	Measuring congestion in data envelopment analysis without solving any models. Scientia Iranica, 2019, .	0.3	0
76	Efficiency Measure Under Inter-Temporal Dependence. International Journal of Information Technology and Decision Making, 2018, 17, 657-675.	2.3	12
77	Common weights in dynamic network DEA with goal programming approach for performance assessment of insurance companies in Iran. Management Research Review, 2018, 41, 920-938.	1.5	26
78	Incorporation of Inefficiency Associated with Link Flows in Efficiency Measurement in Network DEA. Mathematical Problems in Engineering, 2018, 2018, 1-12.	0.6	6
79	Multi-objective interior search algorithm for optimization: A new multi-objective meta-heuristic algorithm. Journal of Intelligent and Fuzzy Systems, 2018, 35, 3307-3319.	0.8	3
80	Finding the strong defining hyperplanes of production possibility set with constant returns to scale using the linear independent vectors. Cogent Mathematics & Statistics, 2018, 5, 1447222.	0.9	0
81	Group multiple criteria ABC inventory classification using TOPSIS approach extended by Gaussian interval type-2 fuzzy sets and optimization programs. Scientia Iranica, 2018, .	0.3	4
82	OPTIMAL UTILIZATION OF RESOURCES IN ORGANIZATIONS USING DATA ENVELOPMENT ANALYSIS. Advances and Applications in Statistics, 2018, 52, 73-95.	0.0	0
83	THE SELECTION OF PROJECTS WITHIN CONSTRAINED RESOURCES USING STOCHASTIC DATA ENVELOPMENT ANALYSIS. Advances and Applications in Statistics, 2018, 52, 171-201.	0.0	0
84	Using multivariate analysis approaches in designing NSBM Model with considering undesirable variable and shared resources. Scientia Iranica, 2018, .	0.3	0
85	An effective solution approach for multi-objective fractional fixed charge problem with fuzzy parameters. Scientia Iranica, 2018, .	0.3	0
86	Health, safety and environmental unit performance assessment model under uncertainty (case study:) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.3	3
87	Implementing energy efficiency for target setting in the sugar industry of Iran. International Journal of Environmental Science and Technology, 2017, 14, 1697-1712.	1.8	6
88	Finding a solution for Multi-Objective Linear Fractional Programming problem based on goal programming and Data Envelopment Analysis. RAIRO - Operations Research, 2017, 51, 199-210.	1.0	6
89	Classifying the Usage of Multiple Objective Decision Making Techniques in Data Envelopment Analysis. Advances in Business Information Systems and Analytics Book Series, 2017, , 1-56.	0.3	1
90	A Survey on Models and Methods for Preference Voting and Aggregation. Advances in Business Information Systems and Analytics Book Series, 2017, , 57-82.	0.3	0

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91	RADIAL SENSITIVITY ANALYSIS OF LEFT, RIGHT, AND OVERALL RETURNS TO SCALE USING THE VIRTUAL ANTI-IDEAL UNIT. Advances and Applications in Statistics, 2017, 50, 137-171.	0.0	0
92	Hybrid cluster analyzing and data envelopment analysis with interval data. Scientia Iranica, 2017, .	0.3	4
93	The Effects of Training and Other Factors on Problem Solving in Students. European Journal of Contemporary Education, 2017, 6, .	0.7	5
94	Finding an improved region of efficiency via DEA-efficient hyperplanes. Scientia Iranica, 2017, .	0.3	0
95	Usage of Cholesky Decomposition in order to Decrease the Nonlinear Complexities of Some Nonlinear and Diversification Models and Present a Model in Framework of Mean-Semivariance for Portfolio Performance Evaluation. Advances in Operations Research, 2016, 2016, 1-9.	0.2	0
96	A New Method for Defuzzification and Ranking of Fuzzy Numbers Based on the Statistical Beta Distribution. Advances in Fuzzy Systems, 2016, 2016, 1-8.	0.6	51
97	An integrated data envelopment analysis–artificial neural network approach for benchmarking of bank branches. Journal of Industrial Engineering International, 2016, 12, 137-143.	1.8	28
98	Efficiency evaluation of urban development in Yazd City, Central Iran using data envelopment analysis. Environmental Monitoring and Assessment, 2016, 188, 618.	1.3	17
99	A new hybrid decision making system for supplier selection. RAIRO - Operations Research, 2016, 50, 645-664.	1.0	3
100	A modified imperialist competitive algorithm for scheduling single batch-processing machine with fuzzy due date. International Journal of Advanced Manufacturing Technology, 2016, 85, 2439-2458.	1.5	9
101	A mixed integer bi-level DEA model for bank branch performance evaluation by Stackelberg approach. Journal of Industrial Engineering International, 2016, 12, 81-91.	1.8	21
102	Revenue congestion: An application of data envelopment analysis. Journal of Industrial and Management Optimization, 2016, 12, 1311-1322.	0.8	0
103	Using Computing with Words for Selecting Projects in Field of Fuel Consumption Reduction. Indian Journal of Science and Technology, 2015, 8, .	0.5	2
104	Comparison of Fuzzy AHP and Fuzzy TOPSIS Methods for Math Teachers Selection. Indian Journal of Science and Technology, 2015, 8, .	0.5	34
105	Optimization and Decision Science. Scientific World Journal, The, 2015, 2015, 1-2.	0.8	0
106	A Network-Based Data Envelope Analysis Model in a Dynamic Balanced Score Card. Mathematical Problems in Engineering, 2015, 2015, 1-13.	0.6	11
107	An extended slacks-based measure model for data envelopment analysis with negative data. Journal of the Operational Research Society, 2015, 66, 1206-1211.	2.1	5
108	A common-weights DEA model for centralized resource reduction and target setting. Computers and Industrial Engineering, 2015, 79, 195-203.	3.4	68

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109	Hybrid Metaheuristics for Solving a Fuzzy Single Batch-Processing Machine Scheduling Problem. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	5
110	Estimation of Congestion in Free Disposal Hull Models Using Data Envelopment Analysis. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	7
111	Using Enhanced Russell Model to Solve Inverse Data Envelopment Analysis Problems. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	21
112	Centralized Resource Allocation for Connecting Radial and Nonradial Models. Journal of Applied Mathematics, 2014, 2014, 1-12.	0.4	4
113	Modified Nonradial Supper Efficiency Models. Journal of Applied Mathematics, 2014, 2014, 1-5.	0.4	2
114	Review of Input Congestion Estimating Methods in DEA. Journal of Applied Mathematics, 2014, 2014, 1-9.	0.4	9
115	Progress and Regress of Time Dependent Data and Application in Bank Branch. Journal of Applied Mathematics, 2014, 2014, 1-9.	0.4	0
116	A three-stage Data Envelopment Analysis model with application to banking industry. Measurement: Journal of the International Measurement Confederation, 2014, 49, 308-319.	2.5	84
117	Optimising proportional weights as a secondary goal in DEA cross-efficiency evaluation. International Journal of Operational Research, 2014, 19, 234.	0.1	36
118	Supply chain performance evaluation with data envelopment analysis and balanced scorecard approach. Applied Mathematical Modelling, 2014, 38, 5092-5112.	2.2	123
119	A modified model for sensitivity analysis of inefficient DMUs in DEA: a case study in hotel industry. International Journal of Operational Research, 2014, 19, 186.	0.1	4
120	An application of DEA in efficiency evaluation of universities. International Journal of Mathematics in Operational Research, 2014, 6, 550.	0.1	2
121	Imprecise DEA Models to Assess the Agility of Supply Chains. Studies in Fuzziness and Soft Computing, 2014, , 167-198.	0.6	6
122	Using goal programming method to solve DEA problems with value judgments. Yugoslav Journal of Operations Research, 2014, 24, 267-282.	0.5	5
123	Allocating fixed resources and setting targets using a common-weights DEA approach. Computers and Industrial Engineering, 2013, 64, 631-640.	3.4	109
124	Optimal operation scheduling of wind power integrated with compressed air energy storage (CAES). Renewable Energy, 2013, 51, 53-59.	4.3	164
125	On the fuzzy solution of LR fuzzy linear systems. Applied Mathematical Modelling, 2013, 37, 1170-1176.	2.2	39
126	A hybrid fuzzy rule-based multi-criteria framework for sustainable project portfolio selection. Information Sciences, 2013, 220, 442-462.	4.0	66

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127	Ranking non-extreme efficient units based on super efficiency method in the presence of undesirable outputs: a DEA approach. International Journal of Applied Decision Sciences, 2013, 6, 83.	0.2	7
128	Evaluation progress and regress of balanced scorecards by multi-stage Malmquist Productivity Index. Journal of Industrial and Production Engineering, 2013, 30, 345-354.	2.1	4
129	A new method for ranking non-extreme efficient units in data envelopment analysis. Optimization Letters, 2013, 7, 309-324.	0.9	13
130	Recognizing strong and weak congestion slack based in data envelopment analysis. Computers and Industrial Engineering, 2013, 64, 731-738.	3.4	27
131	An improved method for ranking alternatives in multiple criteria decision analysis. Applied Mathematical Modelling, 2013, 37, 25-33.	2.2	38
132	On efficiency in convex hull of DMUs. Applied Mathematical Modelling, 2013, 37, 2267-2278.	2.2	6
133	An analysis of the implementation of energy efficiency measures in the vegetable oil industry of Iran: a data envelopment analysis approach. Journal of Cleaner Production, 2013, 52, 84-93.	4.6	36
134	An Extension of Cross Redundancy of Interval Scale Outputs and Inputs in DEA. Journal of Applied Mathematics, 2013, 2013, 1-7.	0.4	1
135	Modified Malmquist Productivity Index Based on Present Time Value of Money. Journal of Applied Mathematics, 2013, 2013, 1-8.	0.4	7
136	A Review of Ranking Models in Data Envelopment Analysis. Journal of Applied Mathematics, 2013, 2013, 1-20.	0.4	53
137	Operational Research. Journal of Applied Mathematics, 2013, 2013, 1-2.	0.4	0
138	Sensitivity analysis of ranking decision making units in data envelopment analysis. International Journal of Modelling in Operations Management, 2013, 3, 20.	0.0	1
139	Periodic efficiency measurement for achieving correct efficiency among several terms of evaluation. International Journal of Operational Research, 2013, 18, 1.	0.1	5
140	An application of multi-component ranking in banks by context-dependent DEA for non-extreme efficient DMUs. International Journal of Operational Research, 2013, 18, 171.	0.1	3
141	An AHP/DEA ranking method based on service quality approach: a case study in hotel industry. International Journal of Productivity and Quality Management, 2013, 11, 434.	0.1	15
142	An Application of Monte-Carlo-Based Sensitivity Analysis on the Overlap in Discriminant Analysis. Journal of Applied Mathematics, 2012, 2012, 1-14.	0.4	4
143	An Interactive Procedure to Solve Multi-Objective Decision-Making Problem: An Improvment to STEM Method. Journal of Applied Mathematics, 2012, 2012, 1-18.	0.4	4
144	EFFICIENCY ANALYSIS UNDER IMPRECISE INPUTS AND OUTPUTS REDUCTION. World Scientific Proceedings Series on Computer Engingeering and Information Science, 2012, , 1082-1086.	0.1	0

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145	Performance evaluation of hotels by data envelopment analysis based on customers' perception and gap analysis. International Journal of Services and Operations Management, 2012, 12, 447.	0.1	13
146	Performance measurement of police traffic centres using fuzzy DEA-based Malmquist productivity index. International Journal of Multicriteria Decision Making, 2012, 2, 94.	0.1	8
147	A DEA approach for comparative analysis of service quality dimensions with a case study in hotel industry. International Journal of Services and Operations Management, 2012, 12, 289.	0.1	16
148	Sensitivity and stability analysis on the first and second levels of efficiency score relative to data error. Applied Mathematical Modelling, 2012, 36, 6132-6136.	2.2	1
149	Sensitivity analysis of the additive model in data envelopment analysis while inputs and outputs are fuzzy data. International Journal of Computer Mathematics, 2012, 89, 625-638.	1.0	4
150	A Multi-Criteria Intuitionistic Fuzzy Group Decision Making Method for Supplier Selection with VIKOR Method. International Journal of Fuzzy System Applications, 2012, 2, 1-17.	0.5	32
151	Efficiency and benchmarking in the presence of undesirable (bad) outputs: A DEA approach. International Journal of Applied Mathematical Research, 2012, 1, .	0.2	9
152	Centralized resource allocation with stochastic data. Journal of Computational and Applied Mathematics, 2012, 236, 1783-1788.	1.1	25
153	Estimating most productive scale size with imprecise-chance constrained input–output orientation model in data envelopment analysis. Computers and Industrial Engineering, 2012, 63, 254-261.	3.4	25
154	Ranking efficient DMUs using the Tchebycheff norm. Applied Mathematical Modelling, 2012, 36, 46-56.	2.2	36
155	Equivalence relationship between the general combined-oriented CCR model and the weighted minimax MOLP formulation. Journal of King Saud University - Science, 2012, 24, 47-54.	1.6	28
156	A DATA ENVELOPMENT ANALYSIS APPROACH FOR MEASURING THE EFFICIENCY OF EMPLOYEES: A CASE STUDY. South African Journal of Industrial Engineering, 2012, 23, .	0.2	6
157	Data Envelopment Analysis with Functional Data using Preference Method. International Journal of Computer Applications, 2012, 55, 48-53.	0.2	0
158	DEGENERACY IN FUZZY LINEAR PROGRAMMING AND ITS APPLICATION. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2011, 19, 999-1012.	0.9	9
159	Data envelopment scenario analysis with imprecise data. Central European Journal of Operations Research, 2011, 19, 65-79.	1.1	6
160	Finding DEA-efficient hyperplanes using MOLP efficient faces. Journal of Computational and Applied Mathematics, 2011, 235, 1227-1231.	1.1	18
161	The voting analytic hierarchy process method for discriminating among efficient decision making units in data envelopment analysis. Computers and Industrial Engineering, 2011, 60, 585-592.	3.4	35
162	Super-efficiency in DEA by effectiveness of each unit in society. Applied Mathematics Letters, 2011, 24, 623-626.	1.5	24

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163	One DEA ranking method based on applying aggregate units. Expert Systems With Applications, 2011, 38, 13468-13471.	4.4	31
164	Ranking DMUs by ideal points with interval data in DEA. Applied Mathematical Modelling, 2011, 35, 218-229.	2.2	40
165	Target setting in data envelopment analysis using MOLP. Applied Mathematical Modelling, 2011, 35, 328-338.	2.2	16
166	Selecting symmetric weights as a secondary goal in DEA cross-efficiency evaluation. Applied Mathematical Modelling, 2011, 35, 544-549.	2.2	93
167	Sensitivity analysis of inefficient units in data envelopment analysis. Mathematical and Computer Modelling, 2011, 53, 587-596.	2.0	15
168	A cross-efficiency model based on super-efficiency for ranking units through the TOPSIS approach and its extension to the interval case. Mathematical and Computer Modelling, 2011, 53, 1946-1955.	2.0	52
169	Evolution of a new surface water quality index for Karoon catchment in Iran. Water Science and Technology, 2011, 64, 2483-2491.	1.2	24
170	A new ranking method based on cross-efficiency in data envelopment analysis. African Journal of Business Management, 2011, 5, .	0.4	1
171	Target setting in the general combined-oriented CCR model using an interactive MOLP method. Journal of Computational and Applied Mathematics, 2010, 234, 1-9.	1.1	52
172	Development of a model to assess environmental performance, concerning HSE-MS principles. Environmental Monitoring and Assessment, 2010, 165, 517-528.	1.3	16
173	A new method for measuring congestion in data envelopment analysis. Socio-Economic Planning Sciences, 2010, 44, 240-246.	2.5	33
174	Finding weak defining hyperplanes of PPS of the BCC model. Applied Mathematical Modelling, 2010, 34, 3321-3332.	2.2	26
175	A linear programming approach to test efficiency in multi-objective linear fractional programming problems. Applied Mathematical Modelling, 2010, 34, 4179-4183.	2.2	29
176	Relationship between MOLP and DEA based on output-orientated CCR dual model. Expert Systems With Applications, 2010, 37, 4331-4336.	4.4	54
177	Ranking of units by positive ideal DMU with common weights. Expert Systems With Applications, 2010, 37, 7483-7488.	4.4	74
178	Centralized resource allocation for enhanced Russell models. Journal of Computational and Applied Mathematics, 2010, 235, 1-10.	1.1	45
179	Modified piecewise linear DEA model. European Journal of Operational Research, 2010, 205, 729-733.	3.5	5
180	Vendors' efficiency measurement; using data envelopment analysis. , 2010, , .		0

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181	Imprecise Shannon's Entropy and Multi Attribute Decision Making. Entropy, 2010, 12, 53-62.	1.1	296
182	BOUNDED LINEAR PROGRAMS WITH TRAPEZOIDAL FUZZY NUMBERS. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2010, 18, 269-286.	0.9	57
183	Application of Multi-Layer Recurrent Neural Network and fuzzy time series in input/output prediction of DEA models: Real case study of a Commercial Bank. , 2010, , .		1
184	Application of water pinch technology for water and wastewater minimization in aluminum anodizing industries. International Journal of Environmental Science and Technology, 2010, 7, 281-290.	1.8	14
185	A primal-dual method for linear programming problems with fuzzy variables. European Journal of Industrial Engineering, 2010, 4, 189.	0.5	91
186	A data envelopment analysis approach based on the service qualtiy concept for vendor selection. , 2009, , .		4
187	An MOLP based procedure for finding efficient units in DEA models. Central European Journal of Operations Research, 2009, 17, 1-11.	1.1	19
188	Extension of TOPSIS for decision-making problems with interval data: Interval efficiency. Mathematical and Computer Modelling, 2009, 49, 1137-1142.	2.0	156
189	Ranking DMUs by l1-norm with fuzzy data in DEA. Chaos, Solitons and Fractals, 2009, 39, 2294-2302.	2.5	28
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