

# Ali Emrouznejad

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

186  
papers

5,552  
citations

38  
h-index

67  
g-index

202  
ext. papers

6,749  
ext. citations

4.2  
avg. IF

6.71  
L-index

#	Paper	IF	Citations
186	Evaluation of research in efficiency and productivity: A survey and analysis of the first 30 years of scholarly literature in DEA. <i>Socio-Economic Planning Sciences</i> , <b>2008</b> , 42, 151-157	3.7	601
185	A survey and analysis of the first 40 years of scholarly literature in DEA: 1978-2016. <i>Socio-Economic Planning Sciences</i> , <b>2018</b> , 61, 4-8	3.7	481
184	A taxonomy and review of the fuzzy data envelopment analysis literature: Two decades in the making. <i>European Journal of Operational Research</i> , <b>2011</b> , 214, 457-472	5.6	279
183	The state of the art development of AHP (1979-2017): a literature review with a social network analysis. <i>International Journal of Production Research</i> , <b>2017</b> , 55, 6653-6675	7.8	144
182	Strategic logistics outsourcing: An integrated QFD and fuzzy AHP approach. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 10841-10850	7.8	131
181	Ordered Weighted Averaging Operators 1988-2014: A Citation-Based Literature Survey. <i>International Journal of Intelligent Systems</i> , <b>2014</b> , 29, 994-1014	8.4	122
180	DEA models for ratio data: Convexity consideration. <i>Applied Mathematical Modelling</i> , <b>2009</b> , 33, 486-498	4.5	114
179	A semi-oriented radial measure for measuring the efficiency of decision making units with negative data, using DEA. <i>European Journal of Operational Research</i> , <b>2010</b> , 200, 297-304	5.6	113
178	Assessing productive efficiency of banks using integrated Fuzzy-DEA and bootstrapping: A case of Mozambican banks. <i>European Journal of Operational Research</i> , <b>2016</b> , 249, 378-389	5.6	91
177	Power industry restructuring and eco-efficiency changes: A new slacks-based model in Malmquist-Luenberger Index measurement. <i>Energy Policy</i> , <b>2014</b> , 68, 132-145	7.2	82
176	A mathematical model for dynamic efficiency using data envelopment analysis. <i>Applied Mathematics and Computation</i> , <b>2005</b> , 160, 363-378	2.7	82
175	A framework for measuring global Malmquist-Luenberger productivity index with CO2 emissions on Chinese manufacturing industries. <i>Energy</i> , <b>2016</b> , 115, 840-856	7.9	80
174	Using data envelopment analysis to measure the technical efficiency of public health centers in Kenya. <i>Journal of Medical Systems</i> , <b>2004</b> , 28, 155-66	5.1	80
173	COOPER-framework: A unified process for non-parametric projects. <i>European Journal of Operational Research</i> , <b>2010</b> , 207, 1573-1586	5.6	79
172	CO2 emissions reduction of Chinese light manufacturing industries: A novel RAM-based global Malmquist-Luenberger productivity index. <i>Energy Policy</i> , <b>2016</b> , 96, 397-410	7.2	74
171	A new slacks-based measure of Malmquist-Luenberger index in the presence of undesirable outputs. <i>Omega</i> , <b>2015</b> , 51, 29-37	7.2	73
170	A performance assessment method for hospitals: the case of municipal hospitals in Angola. <i>Journal of Medical Systems</i> , <b>2008</b> , 32, 509-19	5.1	67

169	Social and financial efficiency of Islamic microfinance institutions: A Data Envelopment Analysis application. <i>Socio-Economic Planning Sciences</i> , <b>2015</b> , 50, 1-17	3.7	64
168	An extended minimax disparity to determine the OWA operator weights. <i>Computers and Industrial Engineering</i> , <b>2006</b> , 50, 312-316	6.4	64
167	Measurement of technical efficiency of public hospitals in Kenya: using Data Envelopment Analysis. <i>Journal of Medical Systems</i> , <b>2002</b> , 26, 39-45	5.1	63
166	Improving minimax disparity model to determine the OWA operator weights. <i>Information Sciences</i> , <b>2010</b> , 180, 1477-1485	7.7	62
165	Finding the optimal combination of power plants alternatives: A multi response Taguchi-neural network using TOPSIS and fuzzy best-worst method. <i>Journal of Cleaner Production</i> , <b>2018</b> , 203, 210-223	10.3	54
164	Fuzzy data envelopment analysis: A discrete approach. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 2263-2269	7.4	53
163	A new inverse DEA method for merging banks. <i>IMA Journal of Management Mathematics</i> , <b>2014</b> , 25, 73-87	7.4	53
162	A combined neural network and DEA for measuring efficiency of large scale datasets. <i>Computers and Industrial Engineering</i> , <b>2009</b> , 56, 249-254	6.4	53
161	Data envelopment analysis with classification and regression tree in a case of banking efficiency. <i>Expert Systems</i> , <b>2010</b> , 27, 231-246	2.1	53
160	Data envelopment analysis model for the appraisal and relative performance evaluation of nurses at an intensive care unit. <i>Journal of Medical Systems</i> , <b>2011</b> , 35, 1039-62	5.1	49
159	A non-parametric Data Envelopment Analysis approach for improving energy efficiency of grape production. <i>Energy</i> , <b>2013</b> , 63, 189-194	7.9	48
158	The origins, development and future directions of data envelopment analysis approach in transportation systems. <i>Socio-Economic Planning Sciences</i> , <b>2020</b> , 69, 100672	3.7	43
157	Fuzzy data envelopment analysis: An adjustable approach. <i>Expert Systems With Applications</i> , <b>2019</b> , 136, 439-452	7.8	40
156	Environmental performance evaluation of Chinese industrial systems: a network SBM approach. <i>Journal of the Operational Research Society</i> , <b>2018</b> , 69, 825-839	2	40
155	An integrated fuzzy clustering cooperative game data envelopment analysis model with application in hospital efficiency. <i>Expert Systems With Applications</i> , <b>2018</b> , 114, 615-628	7.8	40
154	Sensitivity analysis of energy inputs in crop production using artificial neural networks. <i>Journal of Cleaner Production</i> , <b>2018</b> , 197, 992-998	10.3	40
153	A dynamic network DEA model for accounting and financial indicators: A case of efficiency in MENA banking. <i>International Review of Economics and Finance</i> , <b>2019</b> , 61, 52-68	2.8	40
152	Fuzzy assessment of performance of a decision making units using DEA: A non-radial approach. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 5153-5157	7.8	39

151	The State of the Art in Fuzzy Data Envelopment Analysis. <i>Studies in Fuzziness and Soft Computing</i> , <b>2014</b> , 1-45	0.7	39
150	Performance evaluation of thermal power plants considering CO2 emission: A multistage PCA, clustering, game theory and data envelopment analysis. <i>Journal of Cleaner Production</i> , <b>2019</b> , 223, 641-650	10.3	38
149	A bi-objective weighted model for improving the discrimination power in MCDEA. <i>European Journal of Operational Research</i> , <b>2014</b> , 233, 640-650	5.6	38
148	Determining the relative importance of sustainability evaluation criteria of urban transportation network. <i>Sustainable Cities and Society</i> , <b>2019</b> , 47, 101493	10.1	38
147	Interval data without sign restrictions in DEA. <i>Applied Mathematical Modelling</i> , <b>2014</b> , 38, 2028-2036	4.5	37
146	Aggregating preference ranking with fuzzy Data Envelopment Analysis. <i>Knowledge-Based Systems</i> , <b>2010</b> , 23, 512-519	7.3	36
145	An overall profit Malmquist productivity index with fuzzy and interval data. <i>Mathematical and Computer Modelling</i> , <b>2011</b> , 54, 2827-2838		35
144	Estimation of potential gains from bank mergers: A novel two-stage cost efficiency DEA model. <i>Journal of the Operational Research Society</i> , <b>2017</b> , 68, 1045-1055	2	34
143	Optimal input/output reduction in production processes. <i>Decision Support Systems</i> , <b>2012</b> , 52, 742-747	5.6	32
142	MP-OWA: The most preferred OWA operator. <i>Knowledge-Based Systems</i> , <b>2008</b> , 21, 847-851	7.3	32
141	A novel inverse DEA model with application to allocate the CO2 emissions quota to different regions in Chinese manufacturing industries. <i>Journal of the Operational Research Society</i> , <b>2019</b> , 70, 1079-1090	2	32
140	Eco-efficiency considering the issue of heterogeneity among power plants. <i>Energy</i> , <b>2016</b> , 111, 722-735	7.9	31
139	Flexible measures in production process: A DEA-based approach. <i>RAIRO - Operations Research</i> , <b>2011</b> , 45, 63-74	2.2	31
138	Hospital performance: Efficiency or quality? Can we have both with IT?. <i>Expert Systems With Applications</i> , <b>2015</b> , 42, 5390-5400	7.8	30
137	Is ICT the Key to Development?. <i>Journal of Global Information Management</i> , <b>2010</b> , 18, 66-83	1.9	30
136	Carbon efficiency evaluation: An analytical framework using fuzzy DEA. <i>European Journal of Operational Research</i> , <b>2016</b> , 253, 428-440	5.6	29
135	Economic Efficiency of smallholder maize producers in Western Kenya: a DEA meta-frontier analysis. <i>International Journal of Operational Research</i> , <b>2009</b> , 4, 250	0.9	29
134	Multi-criteria logistics distribution network design using SAS/OR. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 7288-7298	7.8	29

133	An alternative measure of the ICT-Opportunity Index. <i>Information and Management</i> , <b>2010</b> , 47, 246-254	6.6	29
132	Improving energy efficiency considering reduction of CO2 emission of turnip production: A novel data envelopment analysis model with undesirable output approach. <i>Journal of Cleaner Production</i> , <b>2018</b> , 187, 605-615	10.3	28
131	Allocating the fixed cost: an approach based on data envelopment analysis and cooperative game. <i>Annals of Operations Research</i> , <b>2019</b> , 274, 373-394	3.2	28
130	Advances in data envelopment analysis. <i>Annals of Operations Research</i> , <b>2014</b> , 214, 1-4	3.2	27
129	Eco-efficiency measurement and material balance principle: an application in power plants Malmquist Luenberger Index. <i>Annals of Operations Research</i> , <b>2017</b> , 255, 221-239	3.2	26
128	Measurement of productivity index with dynamic DEA. <i>International Journal of Operational Research</i> , <b>2010</b> , 8, 247	0.9	26
127	A comparative assessment of performance and productivity of health centres in Seychelles. <i>International Journal of Productivity and Performance Management</i> , <b>2007</b> , 57, 72-92	2.3	26
126	Modelling generalized firms' restructuring using inverse DEA. <i>Journal of Productivity Analysis</i> , <b>2017</b> , 48, 51-61	1.8	25
125	A fuzzy expected value approach under generalized data envelopment analysis. <i>Knowledge-Based Systems</i> , <b>2015</b> , 89, 148-159	7.3	25
124	Determining the optimal carbon tax rate based on data envelopment analysis. <i>Journal of Cleaner Production</i> , <b>2018</b> , 172, 900-908	10.3	25
123	Selecting the most preferable alternatives in a group decision making problem using DEA. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 9599-9602	7.8	25
122	Carbon emission abatement quota allocation in Chinese manufacturing industries: An integrated cooperative game data envelopment analysis approach. <i>Journal of the Operational Research Society</i> , <b>2020</b> , 71, 1259-1288	2	25
121	Classifying flexible measures in data envelopment analysis: A slack-based measure. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2013</b> , 46, 4100-4107	4.6	24
120	A modified Semi-Oriented Radial Measure for target setting with negative data. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2014</b> , 54, 152-158	4.6	23
119	Ranking efficient decision-making units in data envelopment analysis using fuzzy concept. <i>Computers and Industrial Engineering</i> , <b>2010</b> , 59, 712-719	6.4	23
118	Efficient management of health centres human resources in Zambia. <i>Journal of Medical Systems</i> , <b>2006</b> , 30, 473-81	5.1	23
117	Efficiency measurement in fuzzy additive data envelopment analysis. <i>International Journal of Industrial and Systems Engineering</i> , <b>2012</b> , 10, 1	0.4	22
116	A linear relational DEA model to evaluate two-stage processes with shared inputs. <i>Computational and Applied Mathematics</i> , <b>2017</b> , 36, 45-61		21

115	Observing choice of loan methods in not-for-profit microfinance using data envelopment analysis. <i>Expert Systems With Applications</i> , <b>2017</b> , 82, 278-290	7.8	21
114	Comprehensive performance evaluation of banking branches: A three-stage slacks-based measure (SBM) data envelopment analysis. <i>International Review of Economics and Finance</i> , <b>2019</b> , 64, 359-376	2.8	21
113	Minor and major consolidations in inverse DEA: Definition and determination. <i>Computers and Industrial Engineering</i> , <b>2017</b> , 103, 193-200	6.4	21
112	Productivity change using growth accounting and frontier-based approaches [Evidence from a Monte Carlo analysis. <i>European Journal of Operational Research</i> , <b>2012</b> , 222, 673-683	5.6	21
111	Some clarifications on the DEA clustering approach. <i>European Journal of Operational Research</i> , <b>2011</b> , 215, 498-501	5.6	21
110	On the boundedness of the SORM DEA models with negative data. <i>European Journal of Operational Research</i> , <b>2010</b> , 206, 265-268	5.6	21
109	Fuzzy Analytic Hierarchy Process		20
108	A novel multilevel network slacks-based measure with an application in electric utility companies. <i>Energy</i> , <b>2018</b> , 158, 1120-1129	7.9	20
107	General and multiplicative non-parametric corporate performance models with interval ratio data. <i>Applied Mathematical Modelling</i> , <b>2012</b> , 36, 5506-5514	4.5	19
106	Optimizing search engines results using linear programming. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 11534-11537	7.8	19
105	Measuring the performance of neonatal care units in Scotland. <i>Journal of Medical Systems</i> , <b>2003</b> , 27, 315-324	5.4	19
104	Measurement efficiency and productivity in SAS/OR. <i>Computers and Operations Research</i> , <b>2005</b> , 32, 1665-1683	4.1	19
103	An alternative approach to decompose the potential gains from mergers. <i>Journal of the Operational Research Society</i> , <b>2018</b> , 69, 1793-1802	2	18
102	A new fuzzy additive model for determining the common set of weights in Data Envelopment Analysis. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2015</b> , 30, 61-69	1.6	18
101	COVID-19 Optimizer Algorithm, Modeling and Controlling of Coronavirus Distribution Process. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2020</b> , 24, 2765-2775	7.2	18
100	Finding relevant search engines results: a minimax linear programming approach. <i>Journal of the Operational Research Society</i> , <b>2010</b> , 61, 1144-1150	2	17
99	Parametric aggregation in ordered weighted averaging. <i>International Journal of Approximate Reasoning</i> , <b>2011</b> , 52, 819-827	3.6	17
98	An adjustable fuzzy chance-constrained network DEA approach with application to ranking investment firms. <i>Expert Systems With Applications</i> , <b>2021</b> , 166, 113938	7.8	17

97	Public and private hospital services reform using data envelopment analysis to measure technical, scale, allocative, and cost efficiencies. <i>Health Promotion Perspectives</i> , <b>2012</b> , 2, 28-41	3.1	16
96	Fixed cost allocation based on the principle of efficiency invariance in two-stage systems. <i>European Journal of Operational Research</i> , <b>2020</b> , 283, 662-675	5.6	16
95	A note on the modeling the efficiency of top Arab banks. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 5741-5744	7.8	15
94	A hybrid egalitarian bargaining game-DEA and sustainable network design approach for evaluating, selecting and scheduling urban road construction projects. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2019</b> , 130, 161-183	9	14
93	Technical Efficiency, Efficiency Change, Technical Progress and Productivity Growth in the National Health Systems of Continental African Countries. <i>Eastern Africa Social Science Research Review</i> , <b>2007</b> , 23, 19-40	0.3	14
92	A novel ranking procedure for forecasting approaches using Data Envelopment Analysis. <i>Technological Forecasting and Social Change</i> , <b>2016</b> , 111, 235-243	9.5	14
91	Efficiency in BRICS banking under data vagueness: A two-stage fuzzy approach. <i>Global Finance Journal</i> , <b>2018</b> , 35, 58-71	1.6	13
90	Data Envelopment Analysis in the public sector. <i>Socio-Economic Planning Sciences</i> , <b>2014</b> , 48, 2-3	3.7	13
89	Type-2 TOPSIS: A Group Decision Problem When Ideal Values are not Extreme Endpoints. <i>Group Decision and Negotiation</i> , <b>2013</b> , 22, 851-866	2.5	13
88	Productivity Growth and Efficiency Measurements in Fuzzy Environments with an Application to Health Care. <i>International Journal of Fuzzy System Applications</i> , <b>2012</b> , 2, 1-35	0.6	13
87	An aggregate measure of financial ratios using a multiplicative DEA model. <i>International Journal of Financial Services Management</i> , <b>2010</b> , 4, 114	0.2	13
86	Notes on Classifying inputs and outputs in data envelopment analysis. <i>Applied Mathematics Letters</i> , <b>2012</b> , 25, 1625-1628	3.5	12
85	An integer-valued data envelopment analysis model with bounded outputs. <i>International Transactions in Operational Research</i> , <b>2011</b> , 18, 741-749	2.9	12
84	Efficiency evaluation of parallel interdependent processes systems: an application to Chinese 985 Project universities. <i>International Journal of Production Research</i> , <b>2019</b> , 57, 5387-5399	7.8	12
83	Overall efficiency of operational process with undesirable outputs containing both series and parallel processes: A SBM network DEA model. <i>Expert Systems With Applications</i> , <b>2021</b> , 178, 115062	7.8	12
82	Neural network DEA for measuring the efficiency of mutual funds. <i>International Journal of Applied Decision Sciences</i> , <b>2014</b> , 7, 255	0.8	11
81	Evaluation efficiency of large-scale data set with negative data: an artificial neural network approach. <i>Journal of Supercomputing</i> , <b>2015</b> , 71, 2397-2411	2.5	10
80	Big Data: Who, What and Where? Social, Cognitive and Journals Map of Big Data Publications with Focus on Optimization. <i>Studies in Big Data</i> , <b>2016</b> , 1-16	0.9	10

79	A stepwise fuzzy linear programming model with possibility and necessity relations. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2013</b> , 25, 81-93	1.6	10
78	Measuring productive efficiency using Nerlovian profit efficiency indicator and metafrontier analysis. <i>Operational Research</i> , <b>2013</b> , 13, 271-287	1.6	10
77	Noise-pollution efficiency analysis of European railways: A network DEA model. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2021</b> , 98, 102980	6.4	10
76	The value of indirect ties in citation networks: SNA analysis with OWA operator weights. <i>Information Sciences</i> , <b>2015</b> , 314, 135-151	7.7	9
75	Influential DMUs and outlier detection in data envelopment analysis with an application to health care. <i>Annals of Operations Research</i> , <b>2014</b> , 223, 95-108	3.2	9
74	A new DEA model for technology selection in the presence of ordinal data. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2013</b> , 65, 1567-1572	3.2	9
73	A branch and efficiency algorithm for the optimal design of supply chain networks. <i>Annals of Operations Research</i> , <b>2017</b> , 253, 545-571	3.2	9
72	A combined machine learning algorithms and DEA method for measuring and predicting the efficiency of Chinese manufacturing listed companies. <i>Journal of Management Science and Engineering</i> , <b>2020</b> ,	4.4	9
71	Ranking intervals for two-stage production systems. <i>Journal of the Operational Research Society</i> , <b>2020</b> , 71, 209-224	2	9
70	Efficiency measurement of cloud service providers using network data envelopment analysis. <i>IEEE Transactions on Cloud Computing</i> , <b>2019</b> , 1-1	3.3	8
69	An alternative formulation for the fuzzy assignment problem. <i>Journal of the Operational Research Society</i> , <b>2012</b> , 63, 59-63	2	8
68	Input/output deterioration in production processes. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 5822-5825	2.5	8
67	A robust credibility DEA model with fuzzy perturbation degree: An application to hospitals performance. <i>Expert Systems With Applications</i> , <b>2022</b> , 189, 116021	7.8	8
66	Modeling Residential Energy Consumption. <i>Journal of Global Information Management</i> , <b>2021</b> , 29, 166-193.	3.9	8
65	Using Weighted Goal Programming Model for Planning Regional Sustainable Development to Optimal Workforce Allocation: An Application for Provinces of Iran. <i>Social Indicators Research</i> , <b>2019</b> , 141, 1007-1035	2.7	8
64	Performance measurement with multiple interrelated variables and threshold target levels: Evidence from retail firms in the US. <i>European Journal of Operational Research</i> , <b>2016</b> , 250, 262-272	5.6	7
63	A note on DEA models in technology selection: an improvement of Karsak and Ahiska's approach. <i>International Journal of Production Research</i> , <b>2007</b> , 45, 2313-2316	7.8	7
62	Unveiling endogeneity between competition and efficiency in Chinese banks: a two-stage network DEA and regression analysis. <i>Annals of Operations Research</i> , <b>2021</b> , 306, 131	3.2	7

61	A new parallel fuzzy data envelopment analysis model for parallel systems with two components based on Stackelberg game theory. <i>Fuzzy Optimization and Decision Making</i> , <b>2020</b> , 19, 311-332	5.1	6
60	A framework for performance evaluation of employment offices: a case of Tunisia. <i>International Journal of Applied Decision Sciences</i> , <b>2011</b> , 4, 16	0.8	6
59	A mathematical model for assembly line balancing model to consider disordering sequence of workstations. <i>Assembly Automation</i> , <b>2009</b> , 29, 49-51	2.1	6
58	Chance-constrained cost efficiency in data envelopment analysis model with random inputs and outputs. <i>Operational Research</i> , <b>2020</b> , 20, 1863-1898	1.6	6
57	A binary particle swarm optimization algorithm for ship routing and scheduling of liquefied natural gas transportation. <i>Transportation Letters</i> , <b>2020</b> , 12, 223-232	2.1	6
56	Information representation of blockchain technology: Risk evaluation of investment by personalized quantifier with cubic spline interpolation. <i>Information Processing and Management</i> , <b>2021</b> , 58, 102571	6.3	6
55	Assessing the Queuing Process Using Data Envelopment Analysis: an Application in Health Centres. <i>Journal of Medical Systems</i> , <b>2016</b> , 40, 32	5.1	5
54	A bi-level multi-objective data envelopment analysis model for estimating profit and operational efficiency of bank branches. <i>RAIRO - Operations Research</i> , <b>2019</b> , 53, 1633-1648	2.2	5
53	Metasearch information fusion using linear programming. <i>RAIRO - Operations Research</i> , <b>2012</b> , 46, 289-303.	3.2	5
52	Big Data for the Greater Good: An Introduction. <i>Studies in Big Data</i> , <b>2019</b> , 1-18	0.9	5
51	Performance evaluation of organizations considering economic incentives for emission reduction: A carbon emission permit trading approach. <i>Energy Economics</i> , <b>2021</b> , 101, 105398	8.3	5
50	Inverse forecasting: A new approach for predictive modeling. <i>Computers and Industrial Engineering</i> , <b>2007</b> , 53, 491-498	6.4	4
49	Strategy Formulation and Service Operations in the Big Data Age: The Essentialness of Technology, People, and Ethics. <i>Studies in Big Data</i> , <b>2022</b> , 19-48	0.9	4
48	Bank stock performance during the COVID-19 crisis: does efficiency explain why Islamic banks fared relatively better?. <i>Annals of Operations Research</i> , <b>2022</b> , 1-39	3.2	4
47	Assessing the Relative Performance of Nurses Using Data Envelopment Analysis Matrix (DEAM). <i>Journal of Medical Systems</i> , <b>2018</b> , 42, 125	5.1	3
46	An allocation Malmquist index with an application in the China securities industry. <i>Operational Research</i> , <b>2017</b> , 17, 669-691	1.6	3
45	Document Similarity: A New Measure Using OWA <b>2009</b> ,		3
44	An overview of Total Factor Productivity estimations adjusted for pollutant outputs: an application to sugarcane farming. <i>International Journal of Environmental Technology and Management</i> , <b>2012</b> , 15, 1	0.6	3

43	Efficiency and productivity: theory and applications. <i>Annals of Operations Research</i> , <b>2010</b> , 173, 1-3	3.2	3
42	Introduction to Data Envelopment Analysis and its Applications. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 235-255	0.3	3
41	Allocating a fixed cost across decision-making units with undesirable outputs: A bargaining game approach. <i>Journal of the Operational Research Society</i> , 1-17	2	3
40	Managing Service Productivity Using Data Envelopment Analysis. <i>Profiles in Operations Research</i> , <b>2014</b> , 1-17	1	3
39	The Impact of Smart Meter Installation on Attitude Change Towards Energy Consumption Behavior Among Northern Ireland Households. <i>Journal of Global Information Management</i> , <b>2020</b> , 28, 21-37	1.9	3
38	A bargaining game model for performance assessment in network DEA considering sub-networks: a real case study in banking. <i>Neural Computing and Applications</i> , <b>2019</b> , 31, 6429-6447	4.8	3
37	A box-uncertainty in DEA: A robust performance measurement framework. <i>Expert Systems With Applications</i> , <b>2022</b> , 187, 115855	7.8	3
36	Analysis of the adoption of emergent technologies for risk management in the era of digital manufacturing. <i>Technological Forecasting and Social Change</i> , <b>2022</b> , 178, 121562	9.5	3
35	Energy efficiency and congestion considering data envelopment analysis and bounded adjusted measure: A case of tomato production. <i>Journal of Cleaner Production</i> , <b>2021</b> , 328, 129639	10.3	2
34	Data envelopment analysis model with decision makers' preferences: a robust credibility approach. <i>Annals of Operations Research</i> , 1	3.2	2
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