

Joe Zhu

List of Publications by Year in descending order

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204
papers

16,858
citations

15466

65
h-index

17055

122
g-index

220
all docs

220
docs citations

220
times ranked

4943
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling undesirable factors in efficiency evaluation. European Journal of Operational Research, 2002, 142, 16-20.	3.5	1,144
2	Profitability and Marketability of the Top 55 U.S. Commercial Banks. Management Science, 1999, 45, 1270-1288.	2.4	788
3	Data envelopment analysis: Prior to choosing a model. Omega, 2014, 44, 1-4.	3.6	602
4	Additive efficiency decomposition in two-stage DEA. European Journal of Operational Research, 2009, 196, 1170-1176.	3.5	550
5	DEA models for two-stage processes: Game approach and efficiency decomposition. Naval Research Logistics, 2008, 55, 643-653.	1.4	431
6	Measuring performance of two-stage network structures by DEA: A review and future perspective. Omega, 2010, 38, 423-430.	3.6	426
7	Measuring Information Technology's Indirect Impact on Firm Performance. Information Technology and Management, 2004, 5, 9-22.	1.4	405
8	DEA models for supply chain efficiency evaluation. Annals of Operations Research, 2006, 145, 35-49.	2.6	377
9	Multi-factor performance measure model with an application to Fortune 500 companies. European Journal of Operational Research, 2000, 123, 105-124.	3.5	368
10	The DEA Game Cross-Efficiency Model and Its Nash Equilibrium. Operations Research, 2008, 56, 1278-1288.	1.2	311
11	Returns to scale in different DEA models. European Journal of Operational Research, 2004, 154, 345-362.	3.5	288
12	Network DEA: Additive efficiency decomposition. European Journal of Operational Research, 2010, 207, 1122-1129.	3.5	284
13	Infeasibility Of Super-Efficiency Data Envelopment Analysis Models. Infor, 1999, 37, 174-187.	0.5	273
14	Imprecise data envelopment analysis (IDEA): A review and improvement with an application. European Journal of Operational Research, 2003, 144, 513-529.	3.5	258
15	Data envelopment analysis application in sustainability: The origins, development and future directions. European Journal of Operational Research, 2018, 264, 1-16.	3.5	247
16	Quantitative Models for Performance Evaluation and Benchmarking. Profiles in Operations Research, 2003, , .	0.3	241
17	Alternative secondary goals in DEA cross-efficiency evaluation. International Journal of Production Economics, 2008, 113, 1025-1030.	5.1	240
18	Data Envelopment Analysis: History, Models, and Interpretations. Profiles in Operations Research, 2011, , 1-39.	0.3	236

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19	Data envelopment analysis vs. principal component analysis: An illustrative study of economic performance of Chinese cities. <i>European Journal of Operational Research</i> , 1998, 111, 50-61.	3.5	214
20	Context-dependent data envelopment analysis—Measuring attractiveness and progress. <i>Omega</i> , 2003, 31, 397-408.	3.6	212
21	Robustness of the efficient DMUs in data envelopment analysis. <i>European Journal of Operational Research</i> , 1996, 90, 451-460.	3.5	210
22	Super-efficiency and DEA sensitivity analysis. <i>European Journal of Operational Research</i> , 2001, 129, 443-455.	3.5	195
23	Sensitivity and Stability Analysis in DEA: Some Recent Developments. <i>Journal of Productivity Analysis</i> , 2001, 15, 217-246.	0.8	189
24	Deriving the DEA frontier for two-stage processes. <i>European Journal of Operational Research</i> , 2010, 202, 138-142.	3.5	186
25	Quantitative Models for Performance Evaluation and Benchmarking. <i>Profiles in Operations Research</i> , 2009, , .	0.3	183
26	Cooperative advertising, game theory and manufacturer—retailer supply chains. <i>Omega</i> , 2002, 30, 347-357.	3.6	179
27	Big data algorithms and applications in intelligent transportation system: A review and bibliometric analysis. <i>International Journal of Production Economics</i> , 2021, 231, 107868.	5.1	172
28	Fixed cost and resource allocation based on DEA cross-efficiency. <i>European Journal of Operational Research</i> , 2014, 235, 206-214.	3.5	171
29	An investigation of returns to scale in data envelopment analysis. <i>Omega</i> , 1999, 27, 1-11.	3.6	169
30	DEA model with shared resources and efficiency decomposition. <i>European Journal of Operational Research</i> , 2010, 207, 339-349.	3.5	169
31	Data Envelopment Analysis with Preference Structure. <i>Journal of the Operational Research Society</i> , 1996, 47, 136-150.	2.1	168
32	Data Envelopment Analysis. , 2004, , 1-39.		164
33	Use of DEA cross-efficiency evaluation in portfolio selection: An application to Korean stock market. <i>European Journal of Operational Research</i> , 2014, 236, 361-368.	3.5	164
34	Network DEA pitfalls: Divisional efficiency and frontier projection under general network structures. <i>European Journal of Operational Research</i> , 2013, 226, 507-515.	3.5	153
35	Stability regions for maintaining efficiency in data envelopment analysis. <i>European Journal of Operational Research</i> , 1998, 108, 127-139.	3.5	150
36	Classifying inputs and outputs in data envelopment analysis. <i>European Journal of Operational Research</i> , 2007, 180, 692-699.	3.5	147

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37	Allocation of shared costs among decision making units: a DEA approach. Computers and Operations Research, 2005, 32, 2171-2178.	2.4	142
38	A unified additive model approach for evaluating inefficiency and congestion with associated measures in DEA. Socio-Economic Planning Sciences, 2000, 34, 1-25.	2.5	139
39	Equivalence in two-stage DEA approaches. European Journal of Operational Research, 2009, 193, 600-604.	3.5	135
40	A slacks-based measure of super-efficiency in data envelopment analysis: A comment. European Journal of Operational Research, 2010, 204, 694-697.	3.5	131
41	Some models and measures for evaluating performances with DEA: past accomplishments and future prospects. Journal of Productivity Analysis, 2007, 28, 151-163.	0.8	129
42	Evaluation of information technology investment: a data envelopment analysis approach. Computers and Operations Research, 2006, 33, 1368-1379.	2.4	128
43	A new methodology for evaluating sustainable product design performance with two-stage network data envelopment analysis. European Journal of Operational Research, 2012, 221, 348-359.	3.5	128
44	A bargaining game model for measuring performance of two-stage network structures. European Journal of Operational Research, 2011, 210, 390-397.	3.5	127
45	A modified super-efficiency DEA model for infeasibility. Journal of the Operational Research Society, 2009, 60, 276-281.	2.1	125
46	A response to comments on modeling undesirable factors in efficiency evaluation. European Journal of Operational Research, 2005, 161, 579-581.	3.5	124
47	A slack-based measure of efficiency in context-dependent data envelopment analysis. Omega, 2005, 33, 357-362.	3.6	117
48	Super-efficiency DEA in the presence of infeasibility. European Journal of Operational Research, 2011, 212, 141-147.	3.5	116
49	Airlines Performance via Two-Stage Network DEA Approach. Journal of CENTRUM Cathedra (JCC) the Business and Economics Research Journal, 2011, 4, 260-269.	0.4	115
50	A discussion of testing DMUs' returns to scale. European Journal of Operational Research, 1995, 81, 590-596.	3.5	114
51	Decomposition weights and overall efficiency in two-stage additive network DEA. European Journal of Operational Research, 2017, 257, 896-906.	3.5	112
52	Hedge fund performance appraisal using data envelopment analysis. European Journal of Operational Research, 2005, 164, 555-571.	3.5	103
53	Models for performance benchmarking: measuring the effect of e-business activities on banking performance. Omega, 2004, 32, 313-322.	3.6	98
54	Benchmarking with quality-adjusted DEA (Q-DEA) to seek lower-cost high-quality service: Evidence from a U.S.bank application. Annals of Operations Research, 2006, 145, 301-319.	2.6	94

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55	Data Envelopment Analysis with Nonhomogeneous DMUs. <i>Operations Research</i> , 2013, 61, 666-676.	1.2	94
56	Incorporating health outcomes in Pennsylvania hospital efficiency: an additive super-efficiency DEA approach. <i>Annals of Operations Research</i> , 2014, 221, 161-172.	2.6	93
57	Imprecise DEA via Standard Linear DEA Models with a Revisit to a Korean Mobile Telecommunication Company. <i>Operations Research</i> , 2004, 52, 323-329.	1.2	91
58	Rank order data in DEA: A general framework. <i>European Journal of Operational Research</i> , 2006, 174, 1021-1038.	3.5	90
59	Sensitivity analysis of DEA models for simultaneous changes in all the data. <i>Journal of the Operational Research Society</i> , 1998, 49, 1060-1071.	2.1	89
60	Dual-role factors in data envelopment analysis. <i>IIE Transactions</i> , 2006, 38, 105-115.	2.1	87
61	A survey of data envelopment analysis applications in the insurance industry 1993-2018. <i>European Journal of Operational Research</i> , 2020, 284, 801-813.	3.5	85
62	Super-efficiency infeasibility and zero data in DEA. <i>European Journal of Operational Research</i> , 2012, 216, 429-433.	3.5	84
63	Best-performing US mutual fund families from 1993 to 2008: Evidence from a novel two-stage DEA model for efficiency decomposition. <i>Journal of Banking and Finance</i> , 2012, 36, 3302-3317.	1.4	83
64	The curse of dimensionality of decision-making units: A simple approach to increase the discriminatory power of data envelopment analysis. <i>European Journal of Operational Research</i> , 2019, 279, 929-940.	3.5	78
65	A buyer-seller game model for selection and negotiation of purchasing bids: Extensions and new models. <i>European Journal of Operational Research</i> , 2004, 154, 150-156.	3.5	75
66	Data envelopment analysis efficiency in two-stage networks with feedback. <i>IIE Transactions</i> , 2011, 43, 309-322.	2.1	72
67	Multidimensional quality-of-life measure with an application to Fortune's best cities. <i>Socio-Economic Planning Sciences</i> , 2001, 35, 263-284.	2.5	71
68	Within-group common weights in DEA: An analysis of power plant efficiency. <i>European Journal of Operational Research</i> , 2007, 178, 207-216.	3.5	71
69	Decomposing technical efficiency and scale elasticity in two-stage network DEA. <i>European Journal of Operational Research</i> , 2014, 233, 584-594.	3.5	69
70	Data envelopment analysis and big data. <i>European Journal of Operational Research</i> , 2019, 274, 1047-1054.	3.5	69
71	Two-stage network DEA: Who is the leader?. <i>Omega</i> , 2018, 74, 15-19.	3.6	66
72	A note on two-stage network DEA model: Frontier projection and duality. <i>European Journal of Operational Research</i> , 2016, 248, 342-346.	3.5	61

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73	An integrated approach for ship block manufacturing process performance evaluation: Case from a Korean shipbuilding company. <i>International Journal of Production Economics</i> , 2014, 156, 214-222.	5.1	60
74	A new network DEA model for mutual fund performance appraisal: An application to U.S. equity mutual funds. <i>Omega</i> , 2018, 77, 168-179.	3.6	56
75	Identifying excesses and deficits in Chinese industrial productivity (1953–1990): a weighted data envelopment analysis approach. <i>Omega</i> , 1998, 26, 279-296.	3.6	55
76	Portfolio Evaluation and Benchmark Selection. <i>Journal of Alternative Investments</i> , 2001, 4, 9-19.	0.3	55
77	Efficiency evaluation with strong ordinal input and output measures. <i>European Journal of Operational Research</i> , 2003, 146, 477-485.	3.5	55
78	DEA under big data: data enabled analytics and network data envelopment analysis. <i>Annals of Operations Research</i> , 2022, 309, 761-783.	2.6	54
79	Innovation performance evaluation for high-tech companies using a dynamic network data envelopment analysis approach. <i>European Journal of Operational Research</i> , 2021, 292, 199-212.	3.5	54
80	Undesirable factors in integer-valued DEA: Evaluating the operational efficiencies of city bus systems considering safety records. <i>Decision Support Systems</i> , 2012, 54, 330-335.	3.5	53
81	Chapter 15 DEA/AR analysis of the 1988–1989 performance of the Nanjing textiles corporation. <i>Annals of Operations Research</i> , 1996, 66, 311-335.	2.6	52
82	Primal-dual correspondence and frontier projections in two-stage network DEA models. <i>Omega</i> , 2019, 83, 236-248.	3.6	52
83	Second order cone programming approach to two-stage network data envelopment analysis. <i>European Journal of Operational Research</i> , 2017, 262, 231-238.	3.5	51
84	DEA cross-efficiency evaluation under variable returns to scale. <i>Journal of the Operational Research Society</i> , 2015, 66, 476-487.	2.1	47
85	Bounded and discrete data and Likert scales in data envelopment analysis: application to regional energy efficiency in China. <i>Annals of Operations Research</i> , 2017, 255, 347-366.	2.6	46
86	DEA-based benchmarking for performance evaluation in pay-for-performance incentive plans. <i>Omega</i> , 2019, 84, 45-54.	3.6	46
87	A DEA based composite measure of quality and its associated data uncertainty interval for health care provider profiling and pay-for-performance. <i>European Journal of Operational Research</i> , 2016, 253, 489-502.	3.5	45
88	Within-group common benchmarking using DEA. <i>European Journal of Operational Research</i> , 2017, 256, 901-910.	3.5	45
89	Partial input to output impacts in DEA: Production considerations and resource sharing among business subunits. <i>Naval Research Logistics</i> , 2013, 60, 190-207.	1.4	44
90	When to increase firms'™ sustainable operations for efficiency? A data envelopment analysis in the retailing industry. <i>European Journal of Operational Research</i> , 2019, 277, 1010-1026.	3.5	43

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91	CONTEXT-DEPENDENT DEA WITH AN APPLICATION TO TOKYO PUBLIC LIBRARIES. International Journal of Information Technology and Decision Making, 2005, 04, 385-394.	2.3	42
92	DEA Cobbâ€“Douglas frontier and cross-efficiency. Journal of the Operational Research Society, 2014, 65, 265-268.	2.1	42
93	CAR-DEA: Context-Dependent Assurance Regions in DEA. Operations Research, 2008, 56, 69-78.	1.2	41
94	Integrated data envelopment analysis: Global vs. local optimum. European Journal of Operational Research, 2013, 229, 276-278.	3.5	41
95	Additive super-efficiency in integer-valued data envelopment analysis. European Journal of Operational Research, 2012, 218, 186-192.	3.5	39
96	An acceptance system decision rule with data envelopment analysis. Computers and Operations Research, 1998, 25, 329-332.	2.4	38
97	DEA models for non-homogeneous DMUs with different input configurations. European Journal of Operational Research, 2016, 254, 946-956.	3.5	36
98	Quantitative Models for Performance Evaluation and Benchmarking. Profiles in Operations Research, 2014, , .	0.3	35
99	Sensitivity and Stability of the Classifications of Returns to Scale in Data Envelopment Analysis. Journal of Productivity Analysis, 1999, 12, 55-75.	0.8	34
100	Multiple Variable Proportionality in Data Envelopment Analysis. Operations Research, 2011, 59, 1024-1032.	1.2	33
101	Two-stage network DEA: when intermediate measures can be treated as outputs from the second stage. Journal of the Operational Research Society, 2015, 66, 1868-1877.	2.1	33
102	Non-cooperative two-stage network DEA model: Linear vs. parametric linear. European Journal of Operational Research, 2017, 258, 398-400.	3.5	32
103	Returns to Scale in DEA. Profiles in Operations Research, 2011, , 41-70.	0.3	32
104	Relative efficiency measurement: The problem of a missing output in a subset of decision making units. European Journal of Operational Research, 2012, 220, 79-84.	3.5	31
105	Estimation and allocation of cost savings from collaborative CO2 abatement in China. Energy Economics, 2018, 72, 62-74.	5.6	31
106	Additive slacks-based measure: Computational strategy and extension to network DEA. Omega, 2020, 91, 102022.	3.6	31
107	DEA as a tool for auditing: application to Chinese manufacturing industry with parallel network structures. Annals of Operations Research, 2018, 263, 247-269.	2.6	30
108	How the Great Recession affects performance: a case of Pennsylvania hospitals using DEA. Annals of Operations Research, 2019, 278, 77-99.	2.6	30

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109	Market entity behavior of Chinese state-owned enterprises. <i>Omega</i> , 1998, 26, 263-278.	3.6	29
110	Using Operational and Stock Analytics to Measure Airline Performance: A Network DEA Approach. <i>Decision Sciences</i> , 2021, 52, 720-748.	3.2	28
111	Efficient Resource Allocation via Efficiency Bootstraps: An Application to R&D Project Budgeting. <i>Operations Research</i> , 2011, 59, 729-741.	1.2	27
112	A DEA-based approach for competitive environment analysis in global operations strategies. <i>International Journal of Production Economics</i> , 2018, 203, 110-123.	5.1	27
113	Identification of congestion in data envelopment analysis under the occurrence of multiple projections: A reliable method capable of dealing with negative data. <i>European Journal of Operational Research</i> , 2018, 265, 644-654.	3.5	26
114	On alternative optimal solutions in the estimation of returns to scale in DEA. <i>European Journal of Operational Research</i> , 1998, 108, 149-152.	3.5	25
115	Incorporating Multiprocess Performance Standards into the DEA Framework. <i>Operations Research</i> , 2006, 54, 656-665.	1.2	25
116	Incorporating performance measures with target levels in data envelopment analysis. <i>European Journal of Operational Research</i> , 2013, 230, 634-642.	3.5	25
117	Production scale-based two-stage network data envelopment analysis. <i>European Journal of Operational Research</i> , 2021, 294, 283-294.	3.5	24
118	Data Envelopment Analysis. <i>Journal of Portfolio Management</i> , 2007, 33, 120-132.	0.3	23
119	Setting scale efficient targets in DEA via returns to scale estimation method. <i>Journal of the Operational Research Society</i> , 2000, 51, 376-378.	2.1	22
120	Scale efficiency in two-stage network DEA. <i>Journal of the Operational Research Society</i> , 2019, 70, 101-110.	2.1	21
121	DEA Models for Identifying Critical Performance Measures. <i>Annals of Operations Research</i> , 2003, 124, 225-244.	2.6	20
122	Modelling Efficiency in Regional Innovation Systems: A Two-Stage Data Envelopment Analysis Problem with Shared Outputs within Groups of Decision-Making Units. <i>European Journal of Operational Research</i> , 2020, 287, 572-582.	3.5	20
123	Identifying "best" applicants in recruiting using data envelopment analysis. <i>Socio-Economic Planning Sciences</i> , 2003, 37, 125-139.	2.5	19
124	Best cooperative partner selection and input resource reallocation using DEA. <i>Journal of the Operational Research Society</i> , 2016, 67, 1221-1237.	2.1	19
125	Units invariant DEA when weight restrictions are present: ecological performance of US electricity industry. <i>Annals of Operations Research</i> , 2017, 255, 323-346.	2.6	19
126	Building performance standards into data envelopment analysis structures. <i>IIE Transactions</i> , 2005, 37, 267-275.	2.1	18

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127	Goal congruence analysis in multi-Division Organizations with shared resources based on data envelopment analysis. <i>European Journal of Operational Research</i> , 2017, 263, 961-973.	3.5	18
128	Further discussion on linear production functions and DEA. <i>European Journal of Operational Research</i> , 2000, 127, 611-618.	3.5	17
129	Piecewise linear output measures in DEA (third revision). <i>European Journal of Operational Research</i> , 2009, 197, 312-319.	3.5	17
130	Number of performance measures versus number of decision making units in DEA. <i>Annals of Operations Research</i> , 2021, 303, 529-562.	2.6	17
131	Random Forests and the measurement of super-efficiency in the context of Free Disposal Hull. <i>European Journal of Operational Research</i> , 2023, 304, 729-744.	3.5	17
132	Output deterioration with input reduction in data envelopment analysis. <i>IIE Transactions</i> , 2003, 35, 309-320.	2.1	16
133	Data Envelopment Analysis. <i>Profiles in Operations Research</i> , 2014, , 1-9.	0.3	16
134	Computational tractability of chance constrained data envelopment analysis. <i>European Journal of Operational Research</i> , 2019, 274, 1037-1046.	3.5	16
135	Sensitivity Analysis in DEA. , 2004, , 75-97.		15
136	Data envelopment analysis: The research frontier. <i>Omega</i> , 2013, 41, 1-2.	3.6	15
137	Partial input to output impacts in DEA: The case of DMU-specific impacts. <i>European Journal of Operational Research</i> , 2015, 244, 837-844.	3.5	14
138	On piecewise loglinear frontiers and log efficiency measures. <i>Computers and Operations Research</i> , 1998, 25, 389-395.	2.4	13
139	A nonparametric framework to detect outliers in estimating production frontiers. <i>European Journal of Operational Research</i> , 2020, 286, 375-388.	3.5	13
140	Balancing Fairness and Efficiency: Performance Evaluation with Disadvantaged Units in Non-homogeneous Environments. <i>European Journal of Operational Research</i> , 2020, 287, 1003-1013.	3.5	13
141	Sensitivity Analysis in DEA. <i>Profiles in Operations Research</i> , 2011, , 71-91.	0.3	12
142	Multiplier bounds in DEA via strong complementary slackness condition solution. <i>International Journal of Production Economics</i> , 2003, 86, 11-19.	5.1	11
143	A conic relaxation model for searching for the global optimum of network data envelopment analysis. <i>European Journal of Operational Research</i> , 2020, 280, 242-253.	3.5	11
144	Mutual Fund Industry Performance: A Network Data Envelopment Analysis Approach. <i>Profiles in Operations Research</i> , 2016, , 165-228.	0.3	10

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145	Shared and unsplitable performance links in network DEA. <i>Annals of Operations Research</i> , 2021, 303, 507-528.	2.6	10
146	Decomposing Efficiency and Returns to Scale in Two-Stage Network Systems. <i>Profiles in Operations Research</i> , 2014, , 137-164.	0.3	10
147	DEA Models for Parallel Systems: Game-Theoretic Approaches. <i>Asia-Pacific Journal of Operational Research</i> , 2015, 32, 1550008.	0.9	9
148	Efficiency measurement for hierarchical situations. <i>Journal of the Operational Research Society</i> , 2021, 72, 654-662.	2.1	9
149	U.S. airline mergersâ€™ performance and productivity change. <i>Journal of Air Transport Management</i> , 2022, 102, 102226.	2.4	9
150	Returns to Scale in DEA. , 2004, , 41-73.		8
151	Notes on Sensitivity and Stability of the Classifications of Returns to Scale in Data Envelopment Analysis: A Comment. <i>Journal of Productivity Analysis</i> , 2005, 23, 315-316.	0.8	8
152	Context-dependent performance standards in DEA. <i>Annals of Operations Research</i> , 2010, 173, 163-175.	2.6	8
153	An Alternative Approach to Dealing with the Composition Approach for Series Network Production Processes. <i>Asia-Pacific Journal of Operational Research</i> , 0, , 2150004.	0.9	8
154	A response to the critiques of DEA by Dimitruk and Koshevoy, and Bol. <i>Journal of Productivity Analysis</i> , 2008, 29, 15-21.	0.8	7
155	Nonlinear inputs and diminishing marginal value in DEA. <i>Journal of the Operational Research Society</i> , 2009, 60, 1567-1574.	2.1	7
156	Output-specific input-assurance regions in DEA. <i>Journal of the Operational Research Society</i> , 2011, 62, 1881-1887.	2.1	7
157	Investigation of the Impact of the Massachusetts Health Care Reform on Hospital Costs and Quality of Care. <i>Annals of Operations Research</i> , 2017, 250, 129-146.	2.6	7
158	Network DEA Pitfalls: Divisional Efficiency and Frontier Projection. <i>Profiles in Operations Research</i> , 2014, , 31-54.	0.3	7
159	Data Envelopment Analysis and Big Data: A Systematic Literature Review with Bibliometric Analysis. <i>Profiles in Operations Research</i> , 2021, , 1-29.	0.3	7
160	Modeling efficiency in the presence of multiple partial input to output processes. <i>Annals of Operations Research</i> , 2017, 250, 235-248.	2.6	6
161	Measuring efficiency in DEA in the presence of common inputs. <i>Journal of the Operational Research Society</i> , 2020, 71, 1710-1722.	2.1	5
162	Information technology and performance: Integrating data envelopment analysis and configurational approach. <i>Journal of the Operational Research Society</i> , 2022, 73, 1278-1293.	2.1	5

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163	Data science and productivity: A bibliometric review of data science applications and approaches in productivity evaluations. Journal of the Operational Research Society, 2021, 72, 975-988.	2.1	5
164	DEA for Two-Stage Networks: Efficiency Decompositions and Modeling Techniques. Profiles in Operations Research, 2014, , 1-29.	0.3	5
165	Context-Dependent Data Envelopment Analysis and its Use. , 2007, , 241-259.		4
166	A SPECIAL ISSUE ON "DATA ENVELOPMENT ANALYSIS: THEORIES AND APPLICATIONS" IN HONOR OF WILLIAM W. COOPER. International Journal of Information Technology and Decision Making, 2005, 04, 311-316.	2.3	3
167	Data Envelopment Analysis with Non-Homogeneous DMUs. Profiles in Operations Research, 2015, , 309-340.	0.3	3
168	Data Envelopment Analysis with Output-Bounded Data. Asia-Pacific Journal of Operational Research, 2016, 33, 1650050.	0.9	3
169	CLASSIFICATION INVARIANCE IN DATA ENVELOPMENT ANALYSIS. , 2002, , 331-342.		2
170	DEA Models For Supply Chain or Multi-Stage Structure. , 2007, , 189-208.		2
171	DEA Application in Sustainability 1996â€“2019: The Origins, Development, and Future Directions. Profiles in Operations Research, 2021, , 71-109.	0.3	2
172	Data science for better productivity. Journal of the Operational Research Society, 2021, 72, 971-974.	2.1	2
173	Benchmarking Models. Profiles in Operations Research, 2014, , 245-276.	0.3	2
174	Efficiency Measurement of Multistage Processes: Context Dependent Numbers of Stages. Asia-Pacific Journal of Operational Research, 2017, 34, 1750032.	0.9	2
175	Congestion: Its Identification and Management with DEA. Profiles in Operations Research, 2011, , 173-193.	0.3	2
176	Data Envelopment Analysis and Big Data: Revisit with a Faster Method. Profiles in Operations Research, 2020, , 1-34.	0.3	2
177	Rank Order Data In Dea. , 2007, , 13-34.		1
178	Interval And Ordinal Data. , 2007, , 35-62.		1
179	Efficiency measurement with products and partially desirable co-products. Journal of the Operational Research Society, 2020, 71, 335-345.	2.1	1
180	Modeling DMUâ€™s Internal Structures: Cooperative and Noncooperative Approaches. Profiles in Operations Research, 2011, , 297-313.	0.3	1

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181	Additive Efficiency Decomposition in Network DEA. Profiles in Operations Research, 2014, , 91-118.	0.3	1
182	Evaluating Two-Stage Network Structures: Bargaining Game Approach. Profiles in Operations Research, 2014, , 165-187.	0.3	1
183	Context-dependent Data Envelopment Analysis. Profiles in Operations Research, 2014, , 153-174.	0.3	1
184	An Approach for Determining DEA Efficiency Bounds. , 2003, , 105-110.		1
185	DEA Cross Efficiency. Profiles in Operations Research, 2014, , 61-92.	0.3	1
186	Returns-to-Scale. Profiles in Operations Research, 2014, , 277-290.	0.3	1
187	Identification of Congestion in DEA. Profiles in Operations Research, 2020, , 83-119.	0.3	1
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