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ACADEMIC APPOINTMENTS

2010 – present, *Professor*, Business School, Worcester Polytechnic Institute

2003 – 2010, *Associate Professor*, Department of Management, Worcester Polytechnic Institute

1998 – 2003, *Assistant Professor*, Department of Management, Worcester Polytechnic Institute

VISITING POSITIONS

2017-2018, *Feng Tay Chair Professor*, National Yunlin University of Science and Technology, Taiwan.

2015-2017, *Chang Jiang Scholar Chair Professor*, Ministry of Education of China, hosted by Hefei University of Technology, Hefei, China.

2014-present, *Distinguished Professor*, Nanjing Audit University, Nanjing, China.

June-July, 2010, *William Evans Visiting Fellow*, Department of Finance & Quantitative Analysis, University of Otago, Dunedin, New Zealand.

May-June, 2007, *Visiting Research Fellow*, Graduate School of Information Science and Technology, Osaka University, Japan.

2007, *Visiting Associate Professor*, Department of Industrial and Information Management, the National Cheng Kung University, Taiwan.

May-July, 2002, *Japan Society for Promotion of Science (JSPS) Fellow*, Graduate School of Information Science and Technology, Osaka University, Japan.

EDITORIAL EXPERIENCE

- Editor-in-Chief, *OMEGA*, (2025 – present)
- Area Editor, *INFOR*, (2024 – present)

- Editorial Board Member, *European Journal of Operational Research* (2014 – present)
- Associate Editor, *Journal of the Operational Research Society*, (2017 – present)
- Deputy Editor, *OMEGA*, (2019 – 2024)
- Associate Series Editor, **Springer** *International Series on Operations Research and Management Sciences*, (2014 – present)
- Editorial Board Member, *Computers & Operations Research* (2005 – present)
- Editor, *Data Envelopment Analysis Journal*, (2013 – present)
- Associate Editor, *Asia-Pacific Journal of Operational Research* (2004 – 2008)
- Deputy Editor, *OMEGA*, (2019 – 2024)
- Area Editor, *OMEGA*, (2008 – 2024)
- Associate Editor, *OMEGA*, (2004 – 2008)
- Associate Editor, *INFOR*, (2007 – 2024)
- Guest Editor, *Annals of Operations Research*, *European Journal of Operational Research*, *Journal of the Operational Research Society*, *International Journal of Information Technology and Decision Making*, *OMEGA*, *Journal of CENTRUM Cathedra*

EDUCATION

Ph.D., Industrial Engineering & Operations Research
University of Massachusetts at Amherst, 1998

M.S., Systems Engineering
Southeast University, China, 1992

PUBLICATIONS IN REFERRED JOURNALS

166. Keskin, B., Zhu, Joe, and Yu, A., Performance analysis of sustainable development goals: A multi-component additive network DEA approach, *Journal of the Operational Research Society*,
165. Khezrimotlagh, D., and Zhu, Joe, Implementing no free disposability in data envelopment analysis, *European Journal of Operational Research*,
164. Shi, Y., Zhu, Joe, and Charles, V., Bank financial sustainability evaluation: data envelopment analysis with random forest and Shapley additive explanations, *European Journal of Operational Research*, Vol. 321 (2025), Issue 2, 614-630.

163. Chu, J., Rui, Y., Khezrimotlagh, D., and Zhu, Joe, A General Computational Framework and A Hybrid Algorithm for Large-scale Data Envelopment Analysis, *European Journal of Operational Research*, Vol. 316 (2024), Issue 2, 639-650.
162. Geri L. Dimas, G.L., Khalkhali, M. E., Bender, A., Maass, K.L., Konrad, R.A., Blom, J.S. Zhu, Joe, and, Trapp, A.C., Estimating effectiveness of identifying human trafficking via data envelopment analysis, *INFORMS Journal on Applied Analytics*, Vol. 56 (2023), No. 6, 408-424.
161. Khezrimotlagh, D., and Zhu, Joe, The role of unobserved units in two-stage network data envelopment analysis, *Journal of the Operational Research Society*, Vol. 74 (2023), No. 5, 1275–1285.
160. Esteve, M., Aparicio, J., Rodriguez-Sala, J.J., and Zhu, Joe, Random forests and the measurement of super-efficiency in the context of free disposal hull, *European Journal of Operational Research*, Vol. 304 (2023), Issue 2, 729-744.
159. Khezrimotlagh, D., and Zhu, Joe, Multivariate returns to scale production frontiers, *Journal of the Operational Research Society*, Vol. 73 (2022), No. 6, 1411–1419.
158. Liu, J., Gong, Y., Zhu, Joe, and Titah, R., Information technology and performance: Integrating data envelopment analysis and configurational approach, *Journal of the Operational Research Society*, Vol. 73 (2022), No. 6, 1278–1293.
157. Khezrimotlagh, D., Kaffash, S., and Zhu, Joe, U.S. airlines mergers' performance and productivity change, *Journal of Air Transport Management*, Volume 102 (2022), July, 102226.
156. Zhu, Joe, DEA under big data: data enabled analytics and network data envelopment analysis, *Annals of Operations Research*, Vol. 309, (2022), Issue 2, 761-783.
155. Sahoo, B.K., Saleh, H., Shafiee, M., Kaoru Tone, T. and Zhu, Joe, An alternative approach to dealing with the composition approach for series network production processes, *Asia-Pacific Journal of Operational Research*, Vol. 33 (2021), Issue 1-2, 507-528.
154. Shi, Y., Yu, A., Higgins, H., and Zhu, Joe, Shared and unsplittable performance links in network DEA, *Annals of Operations Research*, Vol. 33 (2021), Issue 1-2, 507-528.
153. Khezrimotlagh, D., Cook, W.D., and Zhu, Joe, Number of performance measures versus number of decision making units in DEA, *Annals of Operations Research*, Vol. 33 (2021), Issue 1-2, 529-562.
152. Zhang, Q., Koutmos, D., Chen, K., and Zhu, Joe, Using operational and stock analytics to measure airline performance: network DEA approach, *Decision Sciences*, Vol. 52 (2021), No. 3, 720-748.
151. Chu, J. and Zhu, Joe, Production scale-based two-stage network data envelopment analysis, *European Journal of Operational Research*, Vol. 294, (2021), Issue 1, 283-294.

150. Shi, Y., Zhu, Joe, and Charles, V., Data science and productivity: A bibliometric review of data science applications and approaches in productivity evaluations, *Journal of the Operational Research Society*, Vol. 72 (2021), Issue 5, 975-988.
149. Yu, A., Shi, Y., You, J, and Zhu, Joe, Innovation performance evaluation for high-tech companies using a dynamic network data envelopment analysis approach, *European Journal of Operational Research*, Vol. 292, (2021), Issue 1, 199-212.
148. Kaffash, S., Nguyen, A.T., and Zhu, Joe, Big data algorithms and applications in intelligent transportation system: A review and bibliometric analysis, *International Journal of Production Economics*, Vol. 231 (2021), January, 107868.
147. Li, W., Cook, W.D., Li, Z, and Zhu, Joe, Efficiency measurement for hierarchical situations, *Journal of the Operational Research Society*, Vol. 72 (2020), Issue 3, 654-662.
146. Avilés-Sacoto, S., Cook, W.D., Güemes-Castorena, D., and Zhu, Joe, Measuring efficiency in DEA in the presence of common inputs, *Journal of the Operational Research Society*, Vol. 71 (2020), No. 11, 1710-1722.
145. Chen, C., Cook, W.D., Imanirad, R., and Zhu, Joe, Balancing fairness and efficiency in performance evaluation in non-homogeneous environments: The case of hybrid versus conventional vehicles, *European Journal of Operational Research*, Vol. 287 (2020), Issue 3, 1003-1013.
144. Avilés-Sacoto, S., Cook, W.D., Güemes-Castorena, D., and Zhu, Joe, Modelling efficiency in regional innovation systems: A two-stage data envelopment analysis problem with shared outputs within groups of decision-making units, *European Journal of Operational Research*, Vol. 287 (2020), Issue 2, 572-582.
143. Khezrimotlagh, D., Cook, W.D., and Zhu, Joe, A Nonparametric framework to detect outliers in estimating production frontiers, *European Journal of Operational Research*, Vol. 286 (2020), Issue 1, 375-388.
142. Kaffash, S., Azizi, R., Huang, Y. and Zhu, Joe, A survey of data envelopment analysis applications in the insurance industry 1993-2018, *European Journal of Operational Research*, Vol. 284 (2020), Issue 3, 801-813.
141. Cook, W.D., Li, W-H, Li, Z, Liang, L., and Zhu, Joe, Efficiency measurement with products and partially desirably co-products, *Journal of the Operational Research Society*, Vol. 71 (2020), Issue 2, 335-345.
140. Chen, K., and Zhu, Joe, Additive slacks-based measure: computational strategy and extension to network DEA, *OMEGA*, Vol. 91, March (2020), 102022.
139. Chen, K., Cook, W.D., and Zhu, Joe, A conic relaxation model for searching global optimum of network data envelopment analysis, *European Journal of Operational Research*, Vol. 280, Issue 1 (2020), 242-253.
138. Charles, V., Aparicio, J., and Zhu, Joe, The curse of dimensionality of decision-making units: A simple approach to increase the discriminatory power of data envelopment analysis, *European Journal of Operational Research*, Vol. 279, Issue 3 (2019), 929-940.

137. Chen, Y., Wang, J., Zhu, Joe, Sherman, H.D. and Chou, S-Y, How the great recession affects performance: A case of Pennsylvania hospitals using DEA, *Annals of Operations Research*, Vol. 278, Issue 1-2 (2019), 77-99.
136. Gong, Y., Liu, J., and Zhu, Joe, When to increase firms' sustainable operations for efficiency? A data envelopment analysis in the retailing industry, *European Journal of Operational Research*, Vol. 277, Issue 3 (2019), 1010-1026.
135. Chen, K., and Zhu, Joe, Scale efficiency in two-stage network DEA, *Journal of the Operational Research Society*, Vol. 70, Issue 1 (2019), 101-110.
134. Khezrimotlagh, D., Zhu, Joe, Cook, W.D., and Toloo, M., Data envelopment analysis and big data, *European Journal of Operational Research*, Vol. 274, Issue 3 (2019), 1047-1054.
133. Chen, K., and Zhu, Joe, Computational tractability of chance constrained data envelopment analysis, *European Journal of Operational Research*, Vol. 274, Issue 3 (2019), 1037-1046.
132. Cook, W.D., Ramón, N., Ruiz, J.L., Sirvent, I., and Zhu, Joe, Goal-adjusted benchmarking for performance evaluation in pay-for-performance incentive plans, *OMEGA*, Vol. 84 (2019), 45-54.
131. Lim, S., and Zhu, Joe, Primal-dual correspondence and frontier projections in two-stage network DEA models, *OMEGA*, Vol. 83 (2019), 236-248.
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129. Liu, J., Gong, Y., Zhu, Joe, and Zhang, J., A DEA-based approach for competitive environment analysis in global operations strategies, *International Journal of Production Economics*, Vol. 203 (2018), 110-123.
128. He, W., Yang, Y., Wang, Z., and Zhu, Joe, Estimation and allocation of cost savings from collaborative CO2 abatement in China, *Energy Economics*, Vol. 72 (2018), 62-74.
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125. Mehdiloozad, M., Zhu, Joe, and Sahoo, B., Identification of congestion in data envelopment analysis under the occurrence of multiple projections: A reliable method capable of dealing with negative data, *European Journal of Operational Research*, Vol. 265, Issue 2 (2018), 644-654.
124. Li, H., Chen, C-L, Cook, W.D., Zhang, J., and Zhu, Joe, Two-stage network DEA: Who is the leader? *OMEGA*, Vol. 74 (2018), 15-19.

123. Zhou, H., Yang, Yi., Chen, Y., and Zhu, Joe, Data envelopment analysis application in sustainability: The origins, development and future directions, *European Journal of Operational Research*, Vol. 264, Issue 1 (2018), 1-16.
122. Cook, W.D., Guo, C., Zhu, Joe, Li, W-H, Li, Z., and Liang, L., Efficiency measurement of multistage processes: context dependent numbers of stages, *Asia-Pacific Journal of Operational Research*, Vol. 31, Issue 6 (2017), 1750032 [18 pages].
121. Ding, J-J, Dong, W., Liang, L., and Zhu, Joe, Goal congruence analysis in multi-division organization with shared resources based on data envelopment analysis, *European Journal of Operational Research*, Vol. 263, Issue 3 (2017), 961-973.
120. Chen, Y., Cook, W.D., Du, J., Hu, H. and Zhu, Joe, Bounded and discrete and data and Likert scales in data envelopment analysis: Application to regional energy efficiency in China, *Annals of Operations Research*, Vol. 255, Issue 1-2 (2017), 347-366.
119. Cook, W.D., Du, J., and Zhu, Joe, Units invariant DEA when weight restrictions are present: Ecological performance of US electricity industry, *Annals of Operations Research*, Vol. 255, Issue 1-2 (2017), 323-346.
118. Chen, K, and Zhu, Joe, Second order cone programming approach to two-stage network data envelopment analysis, *European Journal of Operational Research*, Vol. 262, Issue 1 (2017), 231-238.
117. Li, W.H., Liang, L., Aviles-Sacoto, S., Imanirad, R., Cook, W.D., and Zhu, Joe, Modeling efficiency in the presence of multiple partial input to output processes, *Annals of Operations Research*, Vol. 250, Issue 1 (2017), 235-248.
116. Miller, F., Wang, J., Zhu, Joe, Chen, Y., and Hockenberry, J., Investigation of the impact of the Massachusetts health care reform on hospital costs and quality of care, *Annals of Operations Research*, Vol. 250, Issue 1 (2017), 129-146.
115. Guo, C. and Zhu, Joe, Non-cooperative two-stage network DEA model: Linear vs. parametric linear, *European Journal of Operational Research*, Vol. 258, Issue 1 (2017), 398-400.
114. Guo, C., Abbasi Shureshjani, R., Foroughi, A. and Zhu, Joe, Decomposition weights and overall efficiency in two-stage additive network DEA, *European Journal of Operational Research*, Vol. 257, Issue 3 (2017), 896-906.
113. Cook, W.D., Ruiz, J.L., Sirvent, I. and Zhu, Joe, Within-group common benchmarking using DEA, *European Journal of Operational Research*, Vol. 256, Issue 3 (2017), 901-910.
112. Wu, J., Zhu, Q.Y., Cook, W.D., and Zhu, Joe, Best cooperative partner selection and input resource reallocation using DEA, *Journal of the Operational Research Society*, Vol. 67, Issue 9 (2016), 1221-1237
111. Du, J., Huo, J-Z, and Zhu, Joe, Data envelopment analysis with output-bounded data, *Asia-Pacific Journal of Operational Research*, Vol. 33, Number 6 (2016), 1650050 [17 pages].

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109. Shwartz, M., Burgess, J.F. Jr, and Zhu, Joe, A DEA based composite measure of quality and its associated data uncertainty interval for health care Provider profiling and pay-for-performance, *European Journal of Operational Research*, Vol. 253, Issue 2 (2016), 489-502.
108. Lim, S., and Zhu, Joe, A note on two-stage network DEA model: frontier projection and duality, *European Journal of Operational Research*, Vol. 248. Issue 1 (2016), 342-346.
107. Aviles-Sacoto, S., Cook, W.D., Imanirad, R., and Zhu, Joe, Two-stage network DEA: When intermediate measures can be treated as outputs from the second stage, *Journal of the Operational Research Society*, Vol. 66, Issue 11 (2015), 1868-1877.
106. Imanirad, R., Aviles-Sacoto, S., Cook, W.D., and Zhu, Joe, Partial input to output impacts in DEA: The case of DMU-specific impacts, *European Journal of Operational Research*, Vol. 244, Issue 3 (2015), 837-844.
105. Du, J., Zhu, Joe, Cook, W.D., and Huo, J-Z, DEA models for parallel systems: game-theoretic approaches, *Asia-Pacific Journal of Operational Research*, Vol. 32, No. 2 (2015), 1550008 (22 pages).
104. Lim, S., and Zhu, Joe, DEA Cross-efficiency evaluation under variable returns to scale, *Journal of the Operational Research Society*, Vol. 66, Issue 3 (2015), 476-487.
103. Du, J., Wang, J., Chen, Y., Chou, S-Y, and Zhu, Joe, Incorporating health outcomes in Pennsylvania hospital efficiency: An additive super-efficiency DEA approach, *Annals of Operations Research*, Vol. 221, Issue 1 (2014), 161-172.
102. Park, J., Lee, D., and Zhu, Joe, An integrated approach for ship block manufacturing process performance evaluation: Case from a Korean shipbuilding company, *International Journal of Production Economics*, Vol. 156 (2014), 214-222.
101. Lim, S., Oh, K.W., and Zhu, Joe, Use of DEA cross-efficiency evaluation in portfolio selection: an application to Korean stock market, *European Journal of Operational Research*, Vol. 236 (2014), 361-368.
100. Du, J., Zhu, W.D., Liang, L., and Zhu, Joe, Fixed cost and resource allocation based on DEA cross-efficiency, *European Journal of Operational Research*, Vol. 235 (2014), 206-214.
99. Cook, W.D., and Zhu, Joe, DEA Cobb-Douglas frontier and cross efficiency, *Journal of the Operational Research Society*, Vol. 65, Issue 2 (2014), 265-268.
98. Cook, W.D., Tone, K., and Zhu, Joe, Data envelopment analysis: Prior to choosing a model, *OMEGA*, Vol. 44 (2014), 1-4.
97. Sahoo, Biresh K., Zhu, Joe, Tone, K., and Klemen, B.M., Decomposing technical efficiency and scale elasticity in two-stage network DEA, *European Journal of Operational Research*, Vol. 233, Issue 3 (2014), 584-594.

96. Cook, W.D., Harrison, J., Imanirad, R., Rouse, P., and Zhu, Joe, Data envelopment analysis with nonhomogeneous DMUs, *Operations Research*, Vol. 61, No. 3 (2013), 666-676.
95. Lim, S., and Zhu, Joe, Incorporating performance measures with target levels in data envelopment analysis, *European Journal of Operational Research*, Vol. 230, Issue 3 (2013), 634-642. [Corrigendum EJOR, Vol. 231, Issue 3 (2013), page 790]
94. Sherman, H.D., and Zhu, Joe, Analyzing performance in service organizations, *Sloan Management Review*, Vol. 54, No. 4 (Summer 2013), 36-42. [translated and published: Analizar el desempeño en organizaciones de servicio, *Harvard Deusto business review*, No. 228 (2013), 6-15.]
93. Imanirad, R., Cook, W.D., and Zhu, Joe, Partial input to output impacts in DEA: Production considerations and resource sharing among business subunits, *Naval Research Logistics*, Vol. 60, Issue 3 (2013), 190-207.
92. Lim, S., and Zhu, Joe, Integrated data envelopment analysis: Global vs local optimum, *European Journal of Operational Research*, Vol. 229, Issue 1 (2013), 276-278.
91. Chen, Y., Cook, W.D., Kao, C., and Zhu, Joe, Network DEA pitfalls: Divisional efficiency and frontier projection under general network structures, *European Journal of Operational Research*, Vol. 226 (2013), 507-515.
90. Premachandra, I.M., Zhu, Joe, Watson, J., and Galagedera, D.U.A., Best-performing US mutual fund families from 1993 to 2008: Evidence from a novel two-stage DEA model for efficiency decomposition, *Journal of Banking and Finance*, Vol. 36, Issue 12 (2012), 3302-3317.
89. Chen, C-M, Du, J. Huo, J., and Zhu, Joe, Undesirable factors in integer-valued DEA: Evaluating the operational efficiencies of city bus systems considering safety records, *Decision Support Systems*, Vol. 54 (2012), 330-335.
88. Chen, C-L, Zhu, Joe, Yu, J-Y, and Noori, H., A new methodology for evaluating sustainable product design performance with two-stage network data envelopment analysis, *European Journal of Operational Research*, Vol. 221, Issue 2 (2012), 348-259.
87. Cook, W.D., Harrison, J., Rouse, P., and Zhu, Joe, Relative efficiency measurement: The problem of a missing output in a subset of decision making units, *European Journal of Operational Research*, Vol. 220, Issue 1 (2012), 79-84.
86. Du, J., Chen, C-M, Chen, Y., Cook, W.D., and Zhu, Joe, Additive super-efficiency in integer-valued data envelopment analysis, *European Journal of Operational Research*, Vol. 218 (2012), 186-192.
85. Lee, H-S, and Zhu, Joe, Super-efficiency infeasibility and zero data in DEA, *European Journal of Operational Research*, Vol. 216 (2012), 429-433.
84. Cook, W.D., and Zhu, Joe, Multiple variable proportionality in data envelopment analysis, *Operations Research*, Vol. 59, No. 4 (2011), 1024-1032.
83. Cook, W.D., and Zhu, Joe, Output-specific input assurance-regions in DEA, *Journal of the Operational Research Society*, Vol. 62 (2011), 1881-1887.

82. Zhu, Joe, Airlines performance via two-stage network DEA approach, *Journal of CENTRUM Cathedra*, Vol. 4, Issue 2 (2011), 260-269.
81. Chen, C-M, and Zhu, Joe, Efficient resource allocation via efficiency bootstraps: An application to R&D project budgeting, *Operations Research*, Vol. 59 (2011), May-June, pp. 729-741.
80. Lee, H-S, Chu, C-W, and Zhu, Joe, Super-efficiency DEA in the presence of infeasibility, *European Journal of Operational Research*, Vol. 212 (2011), 141-147.
79. Liang, L., Li, Z-Q, Cook, W.D., and Zhu, Joe, Data envelopment analysis efficiency in two-stage networks with feedback, *IIE Transactions*, Vol. 43 (2011), 309-322.
78. Du, J., Liang, L., Chen, Y., Cook, W.D., and Zhu, Joe, A bargaining game model for measuring performance of two-stage network structures, *European Journal of Operational Research*, Vol. 210, Issue 2 (2011), 390-397.
77. Cook, W.D., Zhu, Joe, Bi, G-B, and Yang, F., Network DEA: Additive efficiency decomposition, *European Journal of Operational Research*, Vol. 207, Issue 2 (2010), 1122-1129.
76. Chen, Y., Du, J., Sherman, H.D., and Zhu, Joe, DEA model with shared resources and efficiency decomposition, *European Journal of Operational Research*, Vol. 207 (2010), 339-349.
75. Cook, W.D., Liang, L., and Zhu, Joe, Measuring performance of two-stage network structures by DEA: A review and future perspective, *OMEGA*, Vol. 38 (2010), 423-430.
74. Cook, W.D., and Zhu, Joe, Context-dependent performance standards in DEA, *Annals of Operations Research*, Vol. 173, No. 1 (2010), 163-175.
73. Du, J., Liang, L., and Zhu, Joe, A slacks-based measure of super-efficiency in data envelopment analysis: A Comment, *European Journal of Operational Research*, Vol. 204 (2010), 694-697.
72. Chen, Y., Cook, W.D., and Zhu, Joe, Deriving the DEA frontier for two-stage processes, *European Journal of Operational Research*, Vol. 202 (2010), 138-142.
71. Cook, W.D., and Zhu, Joe, Piecewise linear output measures in DEA, *European Journal of Operational Research*, Vol. 197 (2009), 312-319.
70. Cook, W.D. Yang, F., and Zhu, Joe, Nonlinear inputs and diminishing marginal value in DEA, *Journal of the Operational Research Society*, Vol. 60, No. 11 (2009), 1567-1574.
69. Chen, Y., Cook, W.D., Li, N., and Zhu, Joe, Additive efficiency decomposition in two-stage DEA, *European Journal of Operational Research*, Vol. 196 (2009), 1170-1176.
68. Cook, W.D., Liang, L., Zha, Y. and Zhu, Joe, A modified super-efficiency DEA model for infeasibility, *Journal of the Operational Research Society*, Vol. 69 (2009), 276-281.
67. Chen, Y., Liang, L., and Zhu, Joe, Equivalence in two-stage DEA approaches, *European Journal of Operational Research*, Vol. 193 (2009), Issue 2, 600-604.

66. Liang, L., Wu, J., Cook, W.D., and Zhu, Joe, The DEA game cross-efficiency model and its Nash equilibrium, *Operations Research*, Vol. 56, No. 5 (2008), 1278-1288.
65. Liang, L., Cook, W.D., and Zhu, Joe, DEA Models for two-stage processes: Game approach and efficiency decomposition, *Naval Research Logistics*, Vol. 55 (2008), 643-653.
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63. Cook, W.D., and Zhu, Joe, CAR-DEA: Context-dependent assurance regions in DEA, *Operations Research*, Vol. 56, No. 1 (2008), 69-78.
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60. Gregorious, G.N., and Zhu, Joe, Data envelopment analysis – a way to assess the efficiency of funds of hedge funds, *Journal of Portfolio Management*, Vol. 33, No. 2 (2007), 120-132.
59. Cook, W.D., and Zhu, Joe, Classifying inputs and outputs in data envelopment analysis, *European Journal of Operational Research*, Vol. 180, Issue 2 (2007), 692-699.
58. Cook, W.D., and Zhu, Joe, Within-group common weights in DEA: An analysis of power plant efficiency, *European Journal of Operational Research*, Vol. 178, Issue 1 (2007), 207-216.
57. Sherman, D.H., and Zhu, Joe, 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*, Vol. 145, No. 1 (2006), 301-319.
56. Liang, L., Yang, F. Cook, W.D., and Zhu, Joe, DEA models for supply chain efficiency evaluation, *Annals of Operations Research*, Vol. 145, No. 1 (2006), 35-49.
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