

Sebastián Lozano

List of Publications by Year in descending order

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178
papers

5,593
citations

70961

41
h-index

106150

65
g-index

181
all docs

181
docs citations

181
times ranked

3522
citing authors

#	ARTICLE	IF	CITATIONS
1	A pre-pandemic Data Envelopment Analysis of the sustainability efficiency of tourism in EU-27 countries. <i>Current Issues in Tourism</i> , 2023, 26, 1669-1687.	4.6	8
2	A fuzzy DEA slacks-based approach. <i>Journal of Computational and Applied Mathematics</i> , 2022, 404, 113180.	1.1	18
3	Cross-country comparison of the efficiency of the European forest sector and second stage DEA approach. <i>Annals of Operations Research</i> , 2022, 314, 471-496.	2.6	18
4	Ranking decision making units based on the multi-directional efficiency measure. <i>Journal of the Operational Research Society</i> , 2022, 73, 1996-2008.	2.1	4
5	A new interval efficiency measure in data envelopment analysis based on efficiency potential. <i>IMA Journal of Management Mathematics</i> , 2022, 34, 123-142.	1.1	1
6	Size efficiency, splits and merger gains, and centralized resource reallocation of Spanish public universities. <i>Socio-Economic Planning Sciences</i> , 2022, 81, 101190.	2.5	6
7	Computing multiperiod efficiency using dominance networks. <i>Annals of Operations Research</i> , 2022, 309, 37.	2.6	0
8	Efficiency assessment using fuzzy production possibility set and enhanced Russell Graph measure. <i>Computational and Applied Mathematics</i> , 2022, 41, 1.	1.0	3
9	Resource allocation and target setting: a CSWâ€“DEA based approach. <i>Annals of Operations Research</i> , 2022, 318, 557-589.	2.6	11
10	A DEA cross-efficiency approach based on bargaining theory. <i>Journal of the Operational Research Society</i> , 2021, 72, 1156-1167.	2.1	16
11	Analysis and vulnerability of the international wheat trade network. <i>Food Security</i> , 2021, 13, 113-128.	2.4	38
12	Network DEA smallest improvement approach. <i>Omega</i> , 2021, 98, 102140.	3.6	20
13	Data Envelopment Analysis Approach to Energy-Saving Projects Selection in an Energy Service Company. <i>Mathematics</i> , 2021, 9, 200.	1.1	7
14	Integer interval DEA: An axiomatic derivation of the technology and an additive, slacks-based model. <i>Fuzzy Sets and Systems</i> , 2021, 422, 83-105.	1.6	13
15	Dominance Network Analysis: Hybridizing Dea and Complex Networks for Data Analytics. <i>Profiles in Operations Research</i> , 2021, , 231-262.	0.3	0
16	Efficiency assessment using a multidirectional DDF approach. <i>International Transactions in Operational Research</i> , 2020, 27, 2064-2080.	1.8	17
17	A centralised DEA approach to resource reallocation in Spanish airports. <i>Annals of Operations Research</i> , 2020, 288, 701-732.	2.6	17
18	Lexicographic hyperbolic DEA. <i>Journal of the Operational Research Society</i> , 2020, 71, 979-990.	2.1	7

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19	Benchmarking Formula One auto racing circuits: a two stage DEA approach. <i>Operational Research</i> , 2020, 20, 2059-2083.	1.3	6
20	Allocating additional resources to public universities. A DEA bargaining approach. <i>Socio-Economic Planning Sciences</i> , 2020, 71, 100752.	2.5	20
21	A compromise programming approach for target setting in DEA. <i>Annals of Operations Research</i> , 2020, 288, 363-390.	2.6	10
22	Fuzzy Ranking Network DEA with General Structure. <i>Mathematics</i> , 2020, 8, 2222.	1.1	2
23	Analysing the Structure of the Global Wheat Trade Network: An ERGM Approach. <i>Agronomy</i> , 2020, 10, 1967.	1.3	23
24	A modified discrete Raiffa approach for efficiency assessment and target setting. <i>Annals of Operations Research</i> , 2020, 292, 71-95.	2.6	3
25	Some variants and extensions of dominance network analysis. <i>Computers and Industrial Engineering</i> , 2020, 141, 106275.	3.4	2
26	Efficiency data analysis in EU aquaculture production. <i>Aquaculture</i> , 2020, 520, 734962.	1.7	28
27	Efficiency performance of Current Account-BoP flows in advanced world economies considering GHG emissions. <i>Journal of Cleaner Production</i> , 2020, 254, 120139.	4.6	5
28	Efficiency Assessment and Target Setting Using a Fully Fuzzy DEA Approach. <i>International Journal of Fuzzy Systems</i> , 2020, 22, 1056-1072.	2.3	12
29	Interactive multiobjective DEA target setting using lexicographic DDF. <i>RAIRO - Operations Research</i> , 2020, 54, 1703-1722.	1.0	8
30	Data Envelopment Analysis and Non-parametric Analysis. <i>Profiles in Operations Research</i> , 2020, , 121-160.	0.3	1
31	Extending the bargaining approach to DEA target setting. <i>Omega</i> , 2019, 85, 94-102.	3.6	26
32	A complex network analysis of Spanish river basins. <i>Journal of Hydrology</i> , 2019, 578, 124065.	2.3	21
33	Complex network analysis of keywords co-occurrence in the recent efficiency analysis literature. <i>Scientometrics</i> , 2019, 120, 609-629.	1.6	80
34	A bargaining approach to determine common weights in DEA. <i>Operational Research</i> , 2019, 21, 2181.	1.3	7
35	An analysis of geographic and product diversification in crop planning strategy. <i>Agricultural Systems</i> , 2019, 174, 117-124.	3.2	6
36	Efficiency ranking using dominance network and multiobjective optimization indexes. <i>Expert Systems With Applications</i> , 2019, 126, 83-91.	4.4	8

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37	Data envelopment analysis of systems with multiple modes of functioning. <i>Annals of Operations Research</i> , 2019, 278, 17-41.	2.6	2
38	Assessing Offensive/Defensive Strategies in a Football Match Using DEA. <i>International Journal of Sport Finance</i> , 2019, 14, 131-146.	0.4	3
39	A decision-making model to design a sustainable container depot logistic network: the case of the port of Valencia. <i>Transport</i> , 2018, 33, 119-130.	0.6	9
40	Dynamic Network DEA approach to basketball games efficiency. <i>Journal of the Operational Research Society</i> , 2018, 69, 1738-1750.	2.1	19
41	Efficiency assessment using network analysis tools. <i>Journal of the Operational Research Society</i> , 2018, 69, 1803-1818.	2.1	12
42	Assessing supply chain robustness to links failure. <i>International Journal of Production Research</i> , 2018, 56, 5104-5117.	4.9	41
43	A complex network analysis of global tourism flows. <i>International Journal of Tourism Research</i> , 2018, 20, 588-604.	2.1	44
44	Super SBI Dynamic Network DEA approach to measuring efficiency in the provision of public services. <i>International Transactions in Operational Research</i> , 2018, 25, 715-735.	1.8	44
45	Network DEA-based biobjective optimization of product flows in a supply chain. <i>Annals of Operations Research</i> , 2018, 264, 307-323.	2.6	14
46	DEA production games with fuzzy output prices. <i>Fuzzy Optimization and Decision Making</i> , 2018, 17, 401-419.	3.4	9
47	Analysing the factors that influence the Pareto frontier of a biobjective supply chain design problem. <i>International Transactions in Operational Research</i> , 2018, 25, 1717-1738.	1.8	5
48	Computing gradient-based stepwise benchmarking paths. <i>Omega</i> , 2018, 81, 195-207.	3.6	37
49	Increasing Sustainability of Logistic Networks by Reducing Product Losses: A Network DEA Approach. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-21.	0.6	2
50	DEA target setting using lexicographic and endogenous directional distance function approaches. <i>Journal of Productivity Analysis</i> , 2018, 50, 55-70.	0.8	19
51	Potential-based efficiency assessment and target setting. <i>Computers and Industrial Engineering</i> , 2018, 126, 611-624.	3.4	9
52	Technical and environmental efficiency of a two-stage production and abatement system. <i>Annals of Operations Research</i> , 2017, 255, 199-219.	2.6	41
53	Cell design and multi-period machine loading in cellular reconfigurable manufacturing systems with alternative routing. <i>International Journal of Production Research</i> , 2017, 55, 2775-2790.	4.9	53
54	Evaluation of the results of a production simulation game using a dynamic DEA approach. <i>Computers and Industrial Engineering</i> , 2017, 105, 1-11.	3.4	20

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55	Fuzzy efficiency measures in data envelopment analysis using lexicographic multiobjective approach. Computers and Industrial Engineering, 2017, 105, 362-376.	3.4	49
56	A two-stage DEA approach for quantifying and analysing the inefficiency of conventional and organic rain-fed cereals in Spain. Journal of Cleaner Production, 2017, 149, 335-348.	4.6	36
57	Ranking efficient DMUs using cooperative game theory. Expert Systems With Applications, 2017, 80, 273-283.	4.4	23
58	SOM-Based Decision Support System for Reservoir Operation Management. Journal of Hydrologic Engineering - ASCE, 2017, 22, 04017012.	0.8	5
59	Efficiency Analysis of the European Food Banks: Some Managerial Results. Voluntas, 2017, 28, 822-838.	1.1	15
60	Dominance network analysis of economic efficiency. Expert Systems With Applications, 2017, 82, 53-66.	4.4	12
61	Assessing individual performance based on the efficiency of projects. Computers and Industrial Engineering, 2017, 107, 280-288.	3.4	6
62	Effects of dynamic pricing of perishable products on revenue and waste. Applied Mathematical Modelling, 2017, 45, 148-164.	2.2	57
63	Data envelopment analysis with multiple modes of functioning. Application to reconfigurable manufacturing systems. International Journal of Production Research, 2017, 55, 7566-7583.	4.9	9
64	Efficiency Assessment of Reconfigurable Manufacturing Systems. Procedia Manufacturing, 2017, 11, 1027-1034.	1.9	4
65	Bicriteria Optimization Model for Locating Maritime Container Depots: Application to the Port of Valencia. Networks and Spatial Economics, 2016, 16, 331-348.	0.7	8
66	Assessing the scoring efficiency of a football match. European Journal of Operational Research, 2016, 255, 559-569.	3.5	25
67	DEA with non-monotonic variables. Application to EU governments' macroeconomic efficiency. Journal of the Operational Research Society, 2016, 67, 1510-1523.	2.1	1
68	How the environmental impact affects the design of logistics networks based on cost minimization. Transportation Research, Part D: Transport and Environment, 2016, 48, 214-224.	3.2	12
69	Efficiency assessment and output maximization possibilities of European small and medium sized airports. Research in Transportation Economics, 2016, 56, 3-14.	2.2	40
70	DEA and Cooperative Game Theory. Profiles in Operations Research, 2016, , 215-239.	0.3	7
71	Analysing Olympic Games through dominance networks. Physica A: Statistical Mechanics and Its Applications, 2016, 462, 1215-1230.	1.2	12
72	Nash decomposition for process efficiency in multistage production systems. Expert Systems With Applications, 2016, 55, 480-492.	4.4	13

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73	Slacks-based inefficiency approach for general networks with bad outputs: An application to the banking sector. <i>Omega</i> , 2016, 60, 73-84.	3.6	81
74	Influence of the environmental impact of logistics operations on the centralization strategy. , 2015, , .		0
75	Efficiency assessment of container operations of shipping agents in Spanish ports. <i>Maritime Policy and Management</i> , 2015, 42, 591-607.	1.9	15
76	Alternative SBM Model for Network DEA. <i>Computers and Industrial Engineering</i> , 2015, 82, 33-40.	3.4	65
77	A joint-inputs Network DEA approach to production and pollution-generating technologies. <i>Expert Systems With Applications</i> , 2015, 42, 7960-7968.	4.4	68
78	A fuzzy expected value approach under generalized data envelopment analysis. <i>Knowledge-Based Systems</i> , 2015, 89, 148-159.	4.0	37
79	Set-valued DEA production games. <i>Omega</i> , 2015, 52, 92-100.	3.6	22
80	NONRADIAL APPROACH TO ALLOCATING FIXED-COSTS AND COMMON REVENUE USING CENTRALIZED DEA. <i>International Journal of Information Technology and Decision Making</i> , 2014, 13, 29-46.	2.3	9
81	A DEA Approach to Performance-Based Budgeting of Formula One Constructors. <i>Journal of Sports Economics</i> , 2014, 15, 180-200.	1.1	12
82	A slacks-based network DEA efficiency analysis of European airlines. <i>Transportation Planning and Technology</i> , 2014, 37, 623-637.	0.9	113
83	Computing fuzzy process efficiency in parallel systems. <i>Fuzzy Optimization and Decision Making</i> , 2014, 13, 73-89.	3.4	17
84	A network DEA assessment of team efficiency in the NBA. <i>Annals of Operations Research</i> , 2014, 214, 99-124.	2.6	90
85	Assessing partnership savings in horizontal cooperation by planning linked deliveries. <i>Transportation Research, Part A: Policy and Practice</i> , 2014, 66, 268-279.	2.0	33
86	Analysis of the synergies of merging multi-company transportation needs. <i>Transportmetrica A: Transport Science</i> , 2014, 10, 533-547.	1.3	18
87	Process efficiency of two-stage systems with fuzzy data. <i>Fuzzy Sets and Systems</i> , 2014, 243, 36-49.	1.6	27
88	Company-wide production planning using a multiple technology DEA approach. <i>Journal of the Operational Research Society</i> , 2014, 65, 723-734.	2.1	15
89	Evaluating efficiency of international container shipping lines: A bootstrap DEA approach. <i>Maritime Economics and Logistics</i> , 2014, 16, 55-71.	2.0	31
90	Network Fuzzy Data Envelopment Analysis. <i>Studies in Fuzziness and Soft Computing</i> , 2014, , 207-230.	0.6	7

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91	Using DEA to find the best partner for a horizontal cooperation. Computers and Industrial Engineering, 2013, 66, 286-292.	3.4	30
92	Cooperative game theory approach to allocating benefits of horizontal cooperation. European Journal of Operational Research, 2013, 229, 444-452.	3.5	230
93	Avoidable damage assessment of forest fires in European countries: an efficient frontier approach. European Journal of Forest Research, 2013, 132, 9-21.	1.1	11
94	Optimization of empty container movements using street-turn: Application to Valencia hinterland. Computers and Industrial Engineering, 2013, 66, 909-917.	3.4	26
95	Dynamic performance analysis of U.S. wireline telecommunication companies. Telecommunications Policy, 2013, 37, 469-482.	2.6	20
96	DEA production games. European Journal of Operational Research, 2013, 231, 405-413.	3.5	42
97	Network DEA approach to airports performance assessment considering undesirable outputs. Applied Mathematical Modelling, 2013, 37, 1665-1676.	2.2	182
98	Cell formation and scheduling of part families for reconfigurable cellular manufacturing systems using Tabu search. Simulation, 2013, 89, 1056-1072.	1.1	32
99	A DEA model for two-stage systems with Fuzzy data. , 2013, , .		0
100	A fuzzy approach to the location of depots for returned maritime containers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 111-116.	0.4	5
101	Cell design and loading with alternative routing in cellular reconfigurable manufacturing systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1744-1749.	0.4	9
102	Process efficiency of multistage production systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 887-892.	0.4	4
103	Information sharing in DEA: A cooperative game theory approach. European Journal of Operational Research, 2012, 222, 558-565.	3.5	53
104	A competing risks analysis of the duration of federal target funds rates. Computers and Operations Research, 2012, 39, 785-791.	2.4	6
105	An analysis of the main factors affecting bullwhip in reverse supply chains. International Journal of Production Economics, 2012, 135, 917-928.	5.1	82
106	Metaheuristic optimization frameworks: a survey and benchmarking. Soft Computing, 2012, 16, 527-561.	2.1	142
107	A recurrent-events survival analysis of the duration of Olympic records. IMA Journal of Management Mathematics, 2011, 22, 115-128.	1.1	3
108	A multiobjective approach to fleet, fuel and operating cost efficiency of European airlines. Computers and Industrial Engineering, 2011, 61, 473-481.	3.4	23

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109	Efficiency Analysis and Target Setting of Spanish Airports. Networks and Spatial Economics, 2011, 11, 139-157.	0.7	47
110	Russell non-radial eco-efficiency measure and scale elasticity of a sample of electric/electronic products. Journal of the Franklin Institute, 2011, 348, 1605-1614.	1.9	16
111	Slacks-based measure of efficiency of airports with airplanes delays as undesirable outputs. Computers and Operations Research, 2011, 38, 131-139.	2.4	147
112	Scale and cost efficiency analysis of networks of processes. Expert Systems With Applications, 2011, 38, 6612-6617.	4.4	61
113	Application of centralised DEA approach to capital budgeting in Spanish ports. Computers and Industrial Engineering, 2011, 60, 455-465.	3.4	86
114	Software maintenance scenarios simulation with Fuzzy Cognitive Maps. , 2011, , .		7
115	Lifetime of household appliances: empirical evidence of users behaviour. Waste Management and Research, 2011, 29, 622-633.	2.2	22
116	Efficiency analysis of EU-25 member states as tourist destinations. International Journal of Services, Technology and Management, 2011, 15, 69.	0.1	22
117	Research study of factors affecting difference between hole diameters in hybrid metal-composite drilling. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2011, 225, 991-1000.	1.5	10
118	A methodological approach for designing and sequencing product families in Reconfigurable Disassembly Systems. Journal of Industrial Engineering and Management, 2011, 4, .	1.0	14
119	DEA-based pre-merger planning tool. Journal of the Operational Research Society, 2010, 61, 1485-1497.	2.1	35
120	Harmonising equity and efficiency in allocating global post-Kyoto GHG emissions. International Journal of Society Systems Science, 2010, 2, 1.	0.1	2
121	Gradual technical and scale efficiency improvement in DEA. Annals of Operations Research, 2010, 173, 123-136.	2.6	30
122	Environmental impact efficiency in mussel cultivation. Resources, Conservation and Recycling, 2010, 54, 1269-1277.	5.3	77
123	Assessing relationships among life-cycle environmental impacts with dimension reduction techniques. Journal of Environmental Management, 2010, 91, 1002-1011.	3.8	25
124	A competing risks approach for time estimation of household WEEE disposal. Waste Management, 2010, 30, 1643-1652.	3.7	30
125	Data Envelopment Analysis of multiple response experiments. Applied Mathematical Modelling, 2010, 34, 1139-1148.	2.2	22
126	Dimensionality Reduction and Visualization of the Environmental Impacts of Domestic Appliances. Journal of Industrial Ecology, 2010, 14, 878-889.	2.8	15

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127	Disassembly scheduling of complex products using parallel heuristic approaches. , 2010, , .		1
128	Clustering Spanish households E-waste disposal behavior using Self-Organizing Feature Maps. , 2010, , .		1
129	e-Research in International Cooperation Networks in Science and Technology Research. , 2010, , 167-199.		0
130	The link between operational efficiency and environmental impacts. Science of the Total Environment, 2009, 407, 1744-1754.	3.9	143
131	A note on "Efficiency aggregation with enhanced Russell measures in data envelopment analysis"™. Socio-Economic Planning Sciences, 2009, 43, 217-218.	2.5	1
132	Centralised reallocation of emission permits using DEA. European Journal of Operational Research, 2009, 193, 752-760.	3.5	126
133	Eco-Efficiency of Electric and Electronic Appliances: A Data Envelopment Analysis (DEA). Environmental Modeling and Assessment, 2009, 14, 439-447.	1.2	82
134	Multiobjective target setting in data envelopment analysis using AHP. Computers and Operations Research, 2009, 36, 549-564.	2.4	42
135	Visualisation of LCA environmental impacts of electrical and electronic products using multidimensional scaling. International Journal of Product Lifecycle Management, 2009, 4, 166.	0.1	4
136	Estimating productivity growth of Spanish ports using a non-radial, non-oriented Malmquist index. International Journal of Shipping and Transport Logistics, 2009, 1, 227.	0.2	25
137	Data envelopment analysis of mutual funds based on second-order stochastic dominance. European Journal of Operational Research, 2008, 189, 230-244.	3.5	72
138	Non-parametric frontier approach to modelling the relationships among population, GDP, energy consumption and CO2 emissions. Ecological Economics, 2008, 66, 687-699.	2.9	173
139	A model for the design of dedicated manufacturing cells. International Journal of Production Research, 2008, 46, 301-319.	4.9	12
140	A cross-national assessment of the situation of women. European Journal of Development Research, 2008, 20, 685-711.	1.2	0
141	TSD-consistent performance assessment of mutual funds. Journal of the Operational Research Society, 2008, 59, 1352-1362.	2.1	27
142	Integer Dea Models. , 2007, , 271-289.		10
143	Disassembly sequence planning in a disassembly cell context. Robotics and Computer-Integrated Manufacturing, 2007, 23, 690-695.	6.1	49
144	An efficient GRASP algorithm for disassembly sequence planning. OR Spectrum, 2007, 29, 535-549.	2.1	41

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145	Data envelopment analysis of integer-valued inputs and outputs. Computers and Operations Research, 2006, 33, 3004-3014.	2.4	94
146	An empirical investigation on parallelization strategies for Scatter Search. European Journal of Operational Research, 2006, 169, 490-507.	3.5	10
147	A particle swarm optimization algorithm for part-machine grouping. Robotics and Computer-Integrated Manufacturing, 2006, 22, 468-474.	6.1	51
148	Part-machine grouping using weighted similarity coefficients. Computers and Industrial Engineering, 2005, 48, 553-570.	3.4	25
149	Production and delivery scheduling problem with time windows. Computers and Industrial Engineering, 2005, 48, 733-742.	3.4	44
150	Data Envelopment Analysis of OR/MS journals. Scientometrics, 2005, 64, 133-150.	1.6	10
151	Determining a sequence of targets in DEA. Journal of the Operational Research Society, 2005, 56, 1439-1447.	2.1	56
152	Centralized DEA models with the possibility of downsizing. Journal of the Operational Research Society, 2005, 56, 357-364.	2.1	73
153	Centralised target setting for regional recycling operations using DEA. Omega, 2004, 32, 101-110.	3.6	91
154	Centralized Resource Allocation Using Data Envelopment Analysis. Journal of Productivity Analysis, 2004, 22, 143-161.	0.8	241
155	Production and vehicle scheduling for ready-mix operations. Computers and Industrial Engineering, 2004, 46, 803-816.	3.4	27
156	Coordinated scheduling of production and delivery from multiple plants. Robotics and Computer-Integrated Manufacturing, 2004, 20, 191-198.	6.1	67
157	A DTD for an XML-Based Mathematical Modeling Language. Lecture Notes in Computer Science, 2003, , 968-977.	1.0	0
158	Genetic Neighborhood Search. Lecture Notes in Computer Science, 2002, , 544-553.	1.0	0
159	A Comparison of GRASP and an Exact Method for Solving a Production and Delivery Scheduling Problem. , 2002, , 431-447.		3
160	Cell formation using a Fuzzy Min-Max neural network. International Journal of Production Research, 2002, 40, 93-107.	4.9	18
161	Measuring the performance of nations at the Summer Olympics using data envelopment analysis. Journal of the Operational Research Society, 2002, 53, 501-511.	2.1	108
162	Modified fuzzy C-means algorithm for cellular manufacturing. Fuzzy Sets and Systems, 2002, 126, 23-32.	1.6	20

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163	Manufacturing cell formation using a new self-organizing neural network. Computers and Industrial Engineering, 2002, 42, 377-382.	3.4	47
164	Measuring the performance of nations at the Summer Olympics using data envelopment analysis. Journal of the Operational Research Society, 2002, 53, 501-511.	2.1	3
165	A Genetic Algorithm for Solving a Production and Delivery Scheduling Problem with Time Windows. Lecture Notes in Computer Science, 2002, , 371-380.	1.0	1
166	Machine cell formation in generalized group technology. Computers and Industrial Engineering, 2001, 41, 227-240.	3.4	48
167	Machine grouping using sequence-based similarity coefficients and neural networks. Robotics and Computer-Integrated Manufacturing, 2001, 17, 399-404.	6.1	25
168	Genetic Line Search. Lecture Notes in Computer Science, 2001, , 318-326.	1.0	0
169	A flexible costing system for flexible manufacturing systems using activity based costing. International Journal of Production Research, 2000, 38, 1615-1630.	4.9	36
170	Facility Location Using Neural Networks. , 2000, , 171-179.		0
171	Machine loading and part type selection in flexible manufacturing systems. International Journal of Production Research, 1999, 37, 1303-1317.	4.9	47
172	A one-step tabu search algorithm for manufacturing cell design. Journal of the Operational Research Society, 1999, 50, 509-516.	2.1	76
173	Cell design and loading in the presence of alternative routing. International Journal of Production Research, 1999, 37, 3289-3304.	4.9	26
174	An expert system/neural network model (ImpelERO) for evaluating agricultural soil erosion in Andalusia region, southern Spain. Agriculture, Ecosystems and Environment, 1999, 73, 211-226.	2.5	42
175	Kohonen maps for solving a class of location-allocation problems. European Journal of Operational Research, 1998, 108, 106-117.	3.5	44
176	Sensitivity calculation of the throughput of an FMS with respect to the routing mix using perturbation analysis. European Journal of Operational Research, 1998, 105, 483-493.	3.5	1
177	Primal-dual approach to the single level capacitated lot-sizing problem. European Journal of Operational Research, 1991, 51, 354-366.	3.5	28
178	Complex network modeling of a river basin: an application to the Guadalquivir River in Southern Spain. Journal of Hydroinformatics, 0, , .	1.1	2