

# Madjid Tavana

## List of Publications by Year in descending order

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305  
papers

9,535  
citations

44069

48  
h-index

66911

78  
g-index

308  
all docs

308  
docs citations

308  
times ranked

6215  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autonomous vehicles: challenges, opportunities, and future implications for transportation policies. <i>Journal of Modern Transportation</i> , 2016, 24, 284-303.	2.5	467
2	An integrated green supplier selection approach with analytic network process and improved Grey relational analysis. <i>International Journal of Production Economics</i> , 2015, 159, 178-191.	8.9	438
3	A taxonomy and review of the fuzzy data envelopment analysis literature: Two decades in the making. <i>European Journal of Operational Research</i> , 2011, 214, 457-472.	5.7	340
4	An extension of the Electre I method for group decision-making under a fuzzy environment. <i>Omega</i> , 2011, 39, 373-386.	5.9	276
5	A new multi-objective particle swarm optimization method for solving reliability redundancy allocation problems. <i>Reliability Engineering and System Safety</i> , 2013, 111, 58-75.	8.9	157
6	An integrated intuitionistic fuzzy AHP and SWOT method for outsourcing reverse logistics. <i>Applied Soft Computing Journal</i> , 2016, 40, 544-557.	7.2	157
7	An application of an integrated ANP-QFD framework for sustainable supplier selection. <i>International Journal of Logistics Research and Applications</i> , 2017, 20, 254-275.	8.8	143
8	Multi-objective control chart design optimization using NSGA-III and MOPSO enhanced with DEA and TOPSIS. <i>Expert Systems With Applications</i> , 2016, 50, 17-39.	7.6	130
9	A fuzzy hybrid project portfolio selection method using Data Envelopment Analysis, TOPSIS and Integer Programming. <i>Expert Systems With Applications</i> , 2015, 42, 8432-8444.	7.6	122
10	A fuzzy group Electre method for safety and health assessment in hazardous waste recycling facilities. <i>Safety Science</i> , 2013, 51, 414-426.	4.9	118
11	A new multi-objective multi-mode model for solving preemptive time-cost-quality trade-off project scheduling problems. <i>Expert Systems With Applications</i> , 2014, 41, 1830-1846.	7.6	114
12	A methodology for selecting portfolios of projects with interactions and under uncertainty. <i>International Journal of Project Management</i> , 2012, 30, 791-803.	5.6	113
13	A metaverse assessment model for sustainable transportation using ordinal priority approach and Aczel-Alsina norms. <i>Technological Forecasting and Social Change</i> , 2022, 182, 121778.	11.6	104
14	A robust optimization approach for imprecise data envelopment analysis. <i>Computers and Industrial Engineering</i> , 2010, 59, 387-397.	6.3	95
15	A Dynamic Decision Support System for Sustainable Supplier Selection in Circular Economy. <i>Sustainable Production and Consumption</i> , 2021, 27, 905-920.	11.0	95
16	A hybrid intelligent fuzzy predictive model with simulation for supplier evaluation and selection. <i>Expert Systems With Applications</i> , 2016, 61, 129-144.	7.6	94
17	A novel hybrid social media platform selection model using fuzzy ANP and COPRAS-G. <i>Expert Systems With Applications</i> , 2013, 40, 5694-5702.	7.6	93
18	An ideal-seeking fuzzy data envelopment analysis framework. <i>Applied Soft Computing Journal</i> , 2010, 10, 1062-1070.	7.2	88

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19	A new network epsilon-based DEA model for supply chain performance evaluation. <i>Computers and Industrial Engineering</i> , 2013, 66, 501-513.	6.3	88
20	An integrated location-inventory-routing humanitarian supply chain network with pre- and post-disaster management considerations. <i>Socio-Economic Planning Sciences</i> , 2018, 64, 21-37.	5.0	88
21	A supplier selection and order allocation model with multiple transportation alternatives. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 52, 365-376.	3.0	86
22	A three-stage Data Envelopment Analysis model with application to banking industry. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014, 49, 308-319.	5.0	84
23	An inventory-location optimization model for equitable influenza vaccine distribution in developing countries during the COVID-19 pandemic. <i>Vaccine</i> , 2021, 39, 495-504.	3.8	82
24	An Artificial Neural Network and Bayesian Network model for liquidity risk assessment in banking. <i>Neurocomputing</i> , 2018, 275, 2525-2554.	5.9	81
25	Solving multi-period project selection problems with fuzzy goal programming based on TOPSIS and a fuzzy preference relation. <i>Information Sciences</i> , 2013, 252, 42-61.	6.9	80
26	A novel fuzzy multi-objective circular supplier selection and order allocation model for sustainable closed-loop supply chains. <i>Journal of Cleaner Production</i> , 2021, 287, 124994.	9.3	76
27	A bi-objective inventory optimization model under inflation and discount using tuned Pareto-based algorithms: NSGA-II, NPGA, and MOPSO. <i>Applied Soft Computing Journal</i> , 2016, 43, 57-72.	7.2	75
28	A subjective assessment of alternative mission architectures for the human exploration of Mars at NASA using multicriteria decision making. <i>Computers and Operations Research</i> , 2004, 31, 1147-1164.	4.0	71
29	A fuzzy inference system with application to player selection and team formation in multi-player sports. <i>Sport Management Review</i> , 2013, 16, 97-110.	2.9	70
30	A common-weights DEA model for centralized resource reduction and target setting. <i>Computers and Industrial Engineering</i> , 2015, 79, 195-203.	6.3	68
31	A rough based multi-criteria evaluation method for healthcare waste disposal location decisions. <i>Computers and Industrial Engineering</i> , 2020, 143, 106394.	6.3	67
32	A hybrid fuzzy rule-based multi-criteria framework for sustainable project portfolio selection. <i>Information Sciences</i> , 2013, 220, 442-462.	6.9	66
33	A flexible cross-efficiency fuzzy data envelopment analysis model for sustainable sourcing. <i>Journal of Cleaner Production</i> , 2017, 142, 2761-2779.	9.3	66
34	A fuzzy group quality function deployment model for e-CRM framework assessment in agile manufacturing. <i>Computers and Industrial Engineering</i> , 2011, 61, 1-19.	6.3	63
35	A novel method for solving linear programming problems with symmetric trapezoidal fuzzy numbers. <i>Applied Mathematical Modelling</i> , 2014, 38, 4388-4395.	4.2	62
36	Strategic Assessment Model (SAM): A Multiple Criteria Decision Support System for Evaluation of Strategic Alternatives. <i>Decision Sciences</i> , 1995, 26, 119-143.	4.5	60

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37	A hybrid fuzzy group ANPâ€“TOPSIS framework for assessment of e-government readiness from a CIRM perspective. <i>Information and Management</i> , 2013, 50, 383-397.	6.5	58
38	A new two-stage Stackelberg fuzzy data envelopment analysis model. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014, 53, 277-296.	5.0	58
39	A novel artificial bee colony algorithm for shortest path problems with fuzzy arc weights. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 93, 48-56.	5.0	58
40	Application of the NSGA-II algorithm to a multi-period inventory-redundancy allocation problem in a series-parallel system. <i>Reliability Engineering and System Safety</i> , 2017, 160, 1-10.	8.9	58
41	A new fuzzy network data envelopment analysis model for measuring the performance of agility in supply chains. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 69, 291-318.	3.0	56
42	A data envelopment analysis model with interval data and undesirable output for combined cycle power plant performance assessment. <i>Expert Systems With Applications</i> , 2015, 42, 760-773.	7.6	55
43	Drone shipping versus truck delivery in a cross-docking system with multiple fleets and products. <i>Expert Systems With Applications</i> , 2017, 72, 93-107.	7.6	55
44	A fuzzy group data envelopment analysis model for high-technology project selection: A case study at NASA. <i>Computers and Industrial Engineering</i> , 2013, 66, 10-23.	6.3	54
45	A fuzzy multi-criteria spatial decision support system for solar farm location planning. <i>Energy Strategy Reviews</i> , 2017, 18, 93-105.	7.3	54
46	A comprehensive framework for sustainable closed-loop supply chain network design. <i>Journal of Cleaner Production</i> , 2022, 332, 129777.	9.3	54
47	An extended VIKOR method using stochastic data and subjective judgments. <i>Computers and Industrial Engineering</i> , 2016, 97, 240-247.	6.3	53
48	Modeling synergies in multi-criteria supplier selection and order allocation: An application to commodity trading. <i>European Journal of Operational Research</i> , 2016, 254, 859-874.	5.7	52
49	Multi-objective multi-layer congested facility location-allocation problem optimization with Pareto-based meta-heuristics. <i>Applied Mathematical Modelling</i> , 2016, 40, 4948-4969.	4.2	52
50	A two-stage data envelopment analysis model for measuring performance in three-level supply chains. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 78, 322-333.	5.0	52
51	An integrated framework for evaluating the barriers to successful implementation of reverse logistics in the automotive industry. <i>Journal of Cleaner Production</i> , 2020, 272, 122714.	9.3	52
52	The State of the Art in Fuzzy Data Envelopment Analysis. <i>Studies in Fuzziness and Soft Computing</i> , 2014, , 1-45.	0.8	51
53	An aggregation method for solving group multi-criteria decision-making problems with single-valued neutrosophic sets. <i>Applied Soft Computing Journal</i> , 2018, 71, 715-727.	7.2	50
54	Supplier selection using chance-constrained data envelopment analysis with non-discretionary factors and stochastic data. <i>International Journal of Industrial and Systems Engineering</i> , 2012, 10, 167.	0.2	49

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55	Chance-constrained DEA models with random fuzzy inputs and outputs. <i>Knowledge-Based Systems</i> , 2013, 52, 32-52.	7.1	49
56	Fuzzy stochastic data envelopment analysis with application to base realignment and closure (BRAC). <i>Expert Systems With Applications</i> , 2012, 39, 12247-12259.	7.6	47
57	An integrated multi-objective framework for solving multi-period project selection problems. <i>Applied Mathematics and Computation</i> , 2012, 219, 3122-3138.	2.2	45
58	A hybrid fuzzy MCDM method for measuring the performance of publicly held pharmaceutical companies. <i>Annals of Operations Research</i> , 2015, 226, 589-621.	4.1	45
59	A fuzzy multi-objective multi-period network DEA model for efficiency measurement in oil refineries. <i>Computers and Industrial Engineering</i> , 2019, 135, 143-155.	6.3	45
60	An extended hybrid fuzzy multi-criteria decision model for sustainable and resilient supplier selection. <i>Environmental Science and Pollution Research</i> , 2022, 29, 37291-37314.	5.3	45
61	Solving multi-mode time-cost-quality trade-off problems under generalized precedence relations. <i>Optimization Methods and Software</i> , 2015, 30, 965-1001.	2.4	44
62	CROSS: A Multicriteria Group-Decision-Making Model for Evaluating and Prioritizing Advanced-Technology Projects at NASA. <i>Interfaces</i> , 2003, 33, 40-56.	1.5	43
63	A multicriteria spatial decision support system for solving emergency service station location problems. <i>International Journal of Geographical Information Science</i> , 2015, 29, 1187-1213.	4.8	43
64	A mathematical programming approach for equitable COVID-19 vaccine distribution in developing countries. <i>Annals of Operations Research</i> , 2021, , 1-34.	4.1	43
65	A PROMETHEE-GDSS for oil and gas pipeline planning in the Caspian Sea basin. <i>Energy Economics</i> , 2013, 36, 716-728.	12.1	42
66	A hybrid fuzzy group decision support framework for advanced-technology prioritization at NASA. <i>Expert Systems With Applications</i> , 2013, 40, 480-491.	7.6	42
67	An extension of the linear programming method with fuzzy parameters. <i>International Journal of Mathematics in Operational Research</i> , 2011, 3, 44.	0.2	41
68	An extended stochastic VIKOR model with decision maker's attitude towards risk. <i>Information Sciences</i> , 2018, 432, 301-318.	6.9	41
69	An overall profit Malmquist productivity index with fuzzy and interval data. <i>Mathematical and Computer Modelling</i> , 2011, 54, 2827-2838.	2.0	40
70	A novel two-stage DEA production model with freely distributed initial inputs and shared intermediate outputs. <i>Expert Systems With Applications</i> , 2018, 99, 213-230.	7.6	40
71	A Systematic Review of Organizational Factors Impacting Cloud-based Technology Adoption Using Technology-Organization-Environment Framework. <i>Internet of Things (Netherlands)</i> , 2021, 15, 100407.	7.7	40
72	An Applied Study Using the Analytic Hierarchy Process to Translate Common Verbal Phrases to Numerical Probabilities. <i>Journal of Behavioral Decision Making</i> , 1997, 10, 133-150.	1.7	39

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73	A Decision Support System for Solving Multi-Objective Redundancy Allocation Problems. <i>Quality and Reliability Engineering International</i> , 2014, 30, 1249-1262.	2.3	39
74	A hybrid Delphi-SWOT paradigm for oil and gas pipeline strategic planning in Caspian Sea basin. <i>Energy Policy</i> , 2012, 40, 345-360.	8.8	38
75	A conceptual analytic network model for evaluating and selecting third-party reverse logistics providers. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 86, 1705-1721.	3.0	38
76	A hybrid DEA-MOLP model for public school assessment and closure decision in the City of Philadelphia. <i>Socio-Economic Planning Sciences</i> , 2018, 61, 70-89.	5.0	38
77	An optimization model for traceable closed-loop supply chain networks. <i>Applied Mathematical Modelling</i> , 2019, 71, 673-699.	4.2	38
78	A novel multi-objective meta-heuristic model for solving cross-docking scheduling problems. <i>Applied Soft Computing Journal</i> , 2015, 31, 30-47.	7.2	37
79	A hybrid goal programming and dynamic data envelopment analysis framework for sustainable supplier evaluation. <i>Neural Computing and Applications</i> , 2017, 28, 3683-3696.	5.6	37
80	A discrete cuckoo optimization algorithm for consolidation in cloud computing. <i>Computers and Industrial Engineering</i> , 2018, 115, 495-511.	6.3	37
81	Analytical hierarchy process: revolution and evolution. <i>Annals of Operations Research</i> , 2023, 326, 879-907.	4.1	37
82	Euclid: Strategic alternative assessment matrix. <i>Journal of Multi-Criteria Decision Analysis</i> , 2002, 11, 75-96.	1.9	36
83	A hybrid data envelopment analysis and game theory model for performance measurement in healthcare. <i>Health Care Management Science</i> , 2019, 22, 475-488.	2.6	36
84	A group AHP-TOPSIS framework for human spaceflight mission planning at NASA. <i>Expert Systems With Applications</i> , 2011, , .	7.6	35
85	A fuzzy multidimensional multiple-choice knapsack model for project portfolio selection using an evolutionary algorithm. <i>Annals of Operations Research</i> , 2013, 206, 449-483.	4.1	35
86	A new chance-constrained DEA model with birandom input and output data. <i>Journal of the Operational Research Society</i> , 2014, 65, 1824-1839.	3.4	35
87	A location-inventory-routing model for green supply chains with low-carbon emissions under uncertainty. <i>Environmental Science and Pollution Research</i> , 2021, 28, 50636-50648.	5.3	35
88	A comprehensive fuzzy DEA model for emerging market assessment and selection decisions. <i>Applied Soft Computing Journal</i> , 2016, 38, 676-702.	7.2	34
89	An integrated data envelopment analysis and simulation method for group consensus ranking. <i>Mathematics and Computers in Simulation</i> , 2016, 119, 1-17.	4.4	34
90	Efficiency measurement in fuzzy additive data envelopment analysis. <i>International Journal of Industrial and Systems Engineering</i> , 2012, 10, 1.	0.2	33

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91	Supply chain resilience: a benchmarking model for vulnerability and capability assessment in the automotive industry. <i>Benchmarking</i> , 2020, 27, 1929-1949.	4.6	33
92	A fully fuzzified data envelopment analysis model. <i>International Journal of Information and Decision Sciences</i> , 2011, 3, 252.	0.1	32
93	Efficiency decomposition and measurement in two-stage fuzzy DEA models using a bargaining game approach. <i>Computers and Industrial Engineering</i> , 2018, 118, 394-408.	6.3	32
94	A hybrid mathematical programming model for optimal project portfolio selection using fuzzy inference system and analytic hierarchy process. <i>Evaluation and Program Planning</i> , 2019, 77, 101703.	1.6	32
95	A simulation-based optimization model for solving flexible flow shop scheduling problems with rework and transportation. <i>Mathematics and Computers in Simulation</i> , 2021, 180, 152-178.	4.4	32
96	An integrated rough group multicriteria decision-making model for the ex-ante prioritization of infrastructure projects: The Serbian Railways case. <i>Socio-Economic Planning Sciences</i> , 2022, 79, 101098.	5.0	32
97	A priority assessment multi-criteria decision model for human spaceflight mission planning at NASA. <i>Journal of the Operational Research Society</i> , 2006, 57, 1197-1215.	3.4	31
98	A common set of weight approach using an ideal decision making unit in data envelopment analysis. <i>Journal of Industrial and Management Optimization</i> , 2012, 8, 623-637.	1.3	31
99	A hybrid desirability function approach for tuning parameters in evolutionary optimization algorithms. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 114, 417-427.	5.0	31
100	A new dynamic range directional measure for two-stage data envelopment analysis models with negative data. <i>Computers and Industrial Engineering</i> , 2018, 115, 427-448.	6.3	31
101	A neutrosophic enhanced best-worst method for considering decision-makers' confidence in the best and worst criteria. <i>Annals of Operations Research</i> , 2020, 289, 391-418.	4.1	30
102	An interactive MOLP method for identifying target units in output-oriented DEA models: The NATO enlargement problem. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014, 52, 124-134.	5.0	29
103	A novel method for selecting a single efficient unit in data envelopment analysis without explicit inputs/outputs. <i>Annals of Operations Research</i> , 2017, 253, 657-681.	4.1	29
104	A novel common set of weights method for multi-period efficiency measurement using mean-variance criteria. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 129, 569-581.	5.0	29
105	An integrated fuzzy sustainable supplier evaluation and selection framework for green supply chains in reverse logistics. <i>Environmental Science and Pollution Research</i> , 2021, 28, 53953-53982.	5.3	29
106	A Two-Fold Linear Programming Model with Fuzzy Data. <i>International Journal of Fuzzy System Applications</i> , 2012, 2, 1-12.	0.7	29
107	A Review of Digital Transformation on Supply Chain Process Management Using Text Mining. <i>Processes</i> , 2022, 10, 842.	2.8	29
108	A dynamic multi-stage data envelopment analysis model with application to energy consumption in the cotton industry. <i>Energy Economics</i> , 2015, 51, 320-328.	12.1	28



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109	A fuzzy bi-objective mixed-integer programming method for solving supply chain network design problems under ambiguous and vague conditions. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 73, 1567-1595.	3.0	27
110	A multi-attribute group decision support system for information technology project selection. <i>International Journal of Business Information Systems</i> , 2010, 6, 179.	0.2	26
111	An extended compromise ratio method for fuzzy group multi-attribute decision making with SWOT analysis. <i>Applied Soft Computing Journal</i> , 2013, 13, 3459-3472.	7.2	26
112	Positive and normative use of fuzzy DEA-BCC models: A critical view on NATO enlargement. <i>International Transactions in Operational Research</i> , 2013, 20, 411-433.	2.7	26
113	An integrated three-stage maintenance scheduling model for unrelated parallel machines with aging effect and multi-maintenance activities. <i>Computers and Industrial Engineering</i> , 2015, 83, 226-236.	6.3	26
114	A new dynamic two-stage mathematical programming model under uncertainty for project evaluation and selection. <i>Computers and Industrial Engineering</i> , 2020, 149, 106795.	6.3	26
115	An integrated group fuzzy best-worst method and combined compromise solution with Bonferroni functions for supplier selection in reverse supply chains. <i>Cleaner Logistics and Supply Chain</i> , 2021, 2, 100009.	6.0	26
116	An efficient hybrid heuristic method for prioritising large transportation projects with interdependent activities. <i>International Journal of Logistics Systems and Management</i> , 2012, 11, 114.	0.2	25
117	Novel Pareto-based meta-heuristics for solving multi-objective multi-item capacitated lot-sizing problems. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 80, 31-45.	3.0	25
118	A stochastic bi-objective simulation-optimization model for cascade disaster location-allocation-distribution problems. <i>Annals of Operations Research</i> , 2022, 309, 103-141.	4.1	25
119	Solving fuzzy Multidimensional Multiple-Choice Knapsack Problems: The multi-start Partial Bound Enumeration method versus the efficient epsilon-constraint method. <i>Applied Soft Computing Journal</i> , 2013, 13, 1627-1638.	7.2	24
120	A decremental approach with the A* algorithm for speeding-up the optimization process in dynamic shortest path problems. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 60, 299-307.	5.0	24
121	A bi-objective multi-period series-parallel inventory-redundancy allocation problem with time value of money and inflation considerations. <i>Computers and Industrial Engineering</i> , 2017, 104, 51-67.	6.3	24
122	Redundancy allocation problem with multi-state component systems and reliable supplier selection. <i>Reliability Engineering and System Safety</i> , 2020, 193, 106629.	8.9	24
123	A Malmquist productivity index for network production systems in the energy sector. <i>Annals of Operations Research</i> , 2020, 284, 415-445.	4.1	23
124	A fuzzy multi-criteria decision analysis model for advanced technology assessment at Kennedy Space Center. <i>Journal of the Operational Research Society</i> , 2010, 61, 1459-1470.	3.4	22
125	A soft multi-criteria decision analysis model with application to the European Union enlargement. <i>Annals of Operations Research</i> , 2010, 181, 393-421.	4.1	22
126	Data Envelopment Analysis with Fuzzy Parameters. <i>International Journal of Operations Research and Information Systems</i> , 2011, 2, 39-53.	1.0	22



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127	General and multiplicative non-parametric corporate performance models with interval ratio data. <i>Applied Mathematical Modelling</i> , 2012, 36, 5506-5514.	4.2	22
128	A heuristic methodology to tackle the Braess Paradox detecting problem tailored for real road networks. <i>Transportmetrica A: Transport Science</i> , 2014, 10, 437-456.	2.0	22
129	The Redundancy Queuing-Location-Allocation Problem: A Novel Approach. <i>IEEE Transactions on Engineering Management</i> , 2014, 61, 534-544.	3.5	22
130	A comprehensive framework for analyzing challenges in humanitarian supply chain management: A case study of the Iranian Red Crescent Society. <i>International Journal of Disaster Risk Reduction</i> , 2020, 42, 101340.	3.9	22
131	A new fuzzy network slacks-based DEA model for evaluating performance of supply chains with reverse logistics. <i>Journal of Intelligent and Fuzzy Systems</i> , 2014, 27, 793-804.	1.4	21
132	Using extended Axiomatic Design theory to reduce complexities in Global Software Development projects. <i>Computers in Industry</i> , 2015, 67, 86-96.	9.9	21
133	An integrated data envelopment analysis and free disposal hull framework for cost-efficiency measurement using rough sets. <i>Applied Soft Computing Journal</i> , 2016, 46, 204-219.	7.2	21
134	The impact of interwoven integration practices on supply chain value addition and firm performance. <i>Journal of Industrial Engineering International</i> , 2019, 15, 39-51.	1.8	21
135	A robust cross-efficiency data envelopment analysis model with undesirable outputs. <i>Expert Systems With Applications</i> , 2021, 167, 114117.	7.6	21
136	A novel Interval Type-2 Fuzzy best-worst method and combined compromise solution for evaluating eco-friendly packaging alternatives. <i>Expert Systems With Applications</i> , 2022, 200, 117188.	7.6	21
137	N-SITE: A DISTRIBUTED CONSENSUS BUILDING AND NEGOTIATION SUPPORT SYSTEM. <i>International Journal of Information Technology and Decision Making</i> , 2006, 05, 123-154.	3.9	20
138	A tuned hybrid intelligent fruit fly optimization algorithm for fuzzy rule generation and classification. <i>Neural Computing and Applications</i> , 2019, 31, 873-885.	5.6	20
139	A multicriteria decision model for supplier selection in portfolios with interactions. <i>International Journal of Services and Operations Management</i> , 2010, 7, 351.	0.2	19
140	A novel Data Envelopment Analysis model for solving supplier selection problems with undesirable outputs and lack of inputs. <i>International Journal of Logistics Systems and Management</i> , 2012, 11, 285.	0.2	19
141	A game theoretic approach to modeling undesirable outputs and efficiency decomposition in data envelopment analysis. <i>Applied Mathematics and Computation</i> , 2014, 244, 479-492.	2.2	19
142	The optimal sequential information acquisition structure: A rational utility-maximizing perspective. <i>Applied Mathematical Modelling</i> , 2014, 38, 3419-3435.	4.2	19
143	An evolutionary computation approach to solving repairable multi-state multi-objective redundancy allocation problems. <i>Neural Computing and Applications</i> , 2018, 30, 127-139.	5.6	19
144	Tradable mobility permit with Bitcoin and Ethereum – A Blockchain application in transportation. <i>Internet of Things (Netherlands)</i> , 2019, 8, 100103.	7.7	19

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145	A dynamic multi-stage slacks-based measure data envelopment analysis model with knowledge accumulation and technological evolution. <i>European Journal of Operational Research</i> , 2019, 278, 448-462.	5.7	19
146	An integrated fuzzy framework for analyzing barriers to the implementation of continuous improvement in manufacturing. <i>International Journal of Quality and Reliability Management</i> , 2020, 38, 116-146.	2.0	19
147	A fuzzy weighted influence non-linear gauge system with application to advanced technology assessment at NASA. <i>Expert Systems With Applications</i> , 2021, 182, 115274.	7.6	19
148	A multiple correspondence analysis model for evaluating technology foresight methods. <i>Technological Forecasting and Social Change</i> , 2017, 125, 188-205.	11.6	18
149	An improved particle swarm optimization model for solving homogeneous discounted series-parallel redundancy allocation problems. <i>Journal of Intelligent Manufacturing</i> , 2019, 30, 1175-1194.	7.3	18
150	A grey-DEMATEL approach for analyzing factors critical to the implementation of reverse logistics in the pharmaceutical care process. <i>Environmental Science and Pollution Research</i> , 2021, 28, 14156-14176.	5.3	18
151	A fuzzy group multi-criteria enterprise architecture framework selection model. <i>Expert Systems With Applications</i> , 2012, 39, 1165-1173.	7.6	17
152	Robust efficiency measurement with common set of weights under varying degrees of conservatism and data uncertainty. <i>European Journal of Industrial Engineering</i> , 2016, 10, 385.	0.8	17
153	A practical review and taxonomy of fuzzy expert systems: methods and applications. <i>Benchmarking</i> , 2019, 27, 81-136.	4.6	17
154	A chance-constrained portfolio selection model with random-rough variables. <i>Neural Computing and Applications</i> , 2019, 31, 931-945.	5.6	17
155	An integrated fuzzy AHP- fuzzy MULTIMOORA model for supply chain risk-benefit assessment and supplier selection. <i>International Journal of Systems Science: Operations and Logistics</i> , 2021, 8, 238-261.	3.0	17
156	An integrated and comprehensive fuzzy multicriteria model for supplier selection in digital supply chains. <i>Sustainable Operations and Computers</i> , 2021, 2, 149-169.	13.1	17
157	A multi-criteria vehicle-target allocation assessment model for network-centric Joint Air Operations. <i>International Journal of Operational Research</i> , 2008, 3, 235.	0.2	16
158	A bi-objective stochastic programming model for optimising automated material handling systems with reliability considerations. <i>International Journal of Production Research</i> , 2014, 52, 5597-5610.	7.5	16
159	Data envelopment analysis in service quality evaluation: an empirical study. <i>Journal of Industrial Engineering International</i> , 2015, 11, 319-330.	1.8	16
160	A New Method for Solving Dual DEA Problems with Fuzzy Stochastic Data. <i>International Journal of Information Technology and Decision Making</i> , 2019, 18, 147-170.	3.9	16
161	A Review of Uncertain Decision-Making Methods in Energy Management Using Text Mining and Data Analytics. <i>Energies</i> , 2020, 13, 3947.	3.1	16
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